

tideline newsletter tideline aquatics

Tideline Aquatics Store Hours

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

SOME FISH MOUTHS ARE NOT JUST FOR EATING!!



AN ASIAN AROWANA WITH A MOUTH FULL OF FRY!!

Many hobbyists have seen what happens when fish like a swordtail, molly or guppy (all live-bearing fish) have babies in the aquarium. Not only do other fish begin eating the babies as soon as they are released, even the parents gobble up their share!!

But then there are species that offer the ultimate protection for their young. These fish are called mouth-brooders. The act of mouth brooding is also referred to as oral incubation and buccal incubation. The pair goes through their mating ritual. The female releases the eggs, the male fertilizes them and then either the male or female (depending on the species) take the eggs into their mouth. The fertilized eggs are held in the

mouth until the fry hatch out and grow to a size that allows them to fend for themselves once released. During this period, often the parent holding the fry does not eat the entire time! When the male holds the eggs, it is referred to as a Paternal Mouth brooder. When the female holds the eggs, it is referred to as a Maternal Mouth brooder. In rare cases, both the male and female hold a portion of the eggs. This is referred to as a Biparental Mouth brooder.



A MALE BETTA ENISAE WITH A MOUTHFUL OF EGGS

This fascinating parenting skill is seen in Arowanas, many African Cichlid species, several South American Cichlid species, a small number of Betta species, marine Jawfish and even marine Cardinalfish just to name a few of the more commonly encountered mouth brooders in the aquarium trade.



CICHLID FRY BEING RELEASED FROM THE MOUTH!



JAWFISH WITH A MOUTHFUL OF FRY!!

But not all fry are safe in the mouths of the parent! There is a fish that exploits mouth brooding cichlids in order to gain protection of their eggs; the *Synodontis multipunctatus* Catfish from Lake Malawi in Africa.



BROOD PARASITES – SYNODONTIS MULTIPUNCTATUS CATFISHFRY!!

The pair of catfish time their spawning with a pair of cichlids they have been watching. As the male cichlid begins his courting dance, the synodontis catfish become alert to the action. When the female cichlid releases her eggs, the catfish dart into the mix and while eating most of the cichlid eggs, they release and fertilize their own catfish eggs. Unknowingly, the female cichlid scoops into her mouth what is left of the cichlid eggs along with the synodontis catfish eggs. The catfish eggs hatch much sooner than the cichlid eggs. The hungry catfish fry eat any remaining cichlid eggs! When the cichlid releases the fish from her mouth, she releases nothing but baby catfish. How's that for exploitation of a species!!



BABY SYN. MULTIPUNCTATUS CATFISH EMERGING FROM THE MOUTH OF AN UNKNOWING MOTHER!!

CHANGES COMING TO THE TAP WATER OF SOME COMMUNITIES!! READ THIS...

For those of you that receive their tap water from Dorchester County Water Authority (DCWA) and Knightsville System, you will soon have chloramines added to your water instead of just chlorine as in the past. If you are already using products like Aqualife Complete, Prime, Amquel, Amquel Plus or AquaSafe to condition your tap water, you will not need to do anything differently. But if you have been using a basic dechlorinator (often sold at stores like Walmart and Kmart), it will no longer condition your tap water properly to make it safe for your fish. If you are unsure, then just read the bottle on your water conditioner. This change also means you will no longer be able to just let water sit over night and use it in your aquarium. While chlorine simply evaporated out from your previous tap water, this does not occur when tap water has chloramines present. You must condition the tap water using one of the products listed above or you will **KILL YOUR FISH!** Prepare now by purchasing the correct water conditioner.

SIGN UP BEFORE AUGUST 1ST OR MISS OUT!!



Don't miss out on our August 1st Twitter Super Special!! Go to www.twitter.com and create your own personal account. It's FREE!!!! Then find us by searching for: TidelineAquatic (notice there is no "s" on the end of aquatic. Sign up to "follow" us and even add the option to receive tweets via text messages to your cell phone. You will not want to miss out on our Twitter intro super special on August 1st..... Anyone that signs up before August 1st can use the Twitter Intro Special being posted Saturday morning...

REMOUNT ROAD EXIT IS CLOSED!

Due to the redesigning of I-26 at the Remount Rd exit, the DOT has closed this exit for reconstruction. As with most of their projects, they took little consideration of how to move all of the traffic that uses that exit to the next exit up

the road causing long lines getting off the interstate. For this reason, we wanted to give you some other options for getting to Tideline Aquatics:

From Mt Pleasant or West Ashley via I-526 – Take the North Rhett exit off I-526 (skip I-26 all together). At the traffic light, follow North Rhett crossing over Remount Road (through the light) to the next traffic light (you will pass an industrial area of town). At the next light, take a left (it will be a subdivision of homes). This will put you on Yeamans Hall Road. Just follow this road through the first traffic light, pass the police department and courthouse and you will see us on the left. NOTE: This area is watched closely by the Hanahan police department. WATCH YOUR SPEED OR THEY WILL FINE YOU!

From West Ashley via Cosgrove Avenue – Travel over the Cosgrove bridge skipping the interstate completely. Just take Cosgrove to the traffic light at the end of the road and turn left on to Rivers Ave. Follow Rivers Avenue down until you reach the Remount Road intersection. Turn right on to Remount Road and then travel as you would normally to Tideline Aquatics.

From Charleston City via I-26 – If you must travel I-26, just pass the closed Remount Road exit and take the next exit which is Aviation Avenue. At the traffic light just off the exit, turn right on to Rivers Avenue. The next light will be the Remount Road intersection. Just turn left on to Remount Road. From there you will know where you are to continue to the store.

Customers coming from Summerville and Goose Creek areas will not be affected by the road construction when coming to the store.

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!!

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

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

ON THE MENU THIS WEEK:

Feeder Saltwater Grass Shrimp (sold out), Feeder Guppies, Feeder Goldfish (running low), Feeder Crayfish, Feeder Fiddler Crabs, Feeder Rosy Reds, Feeder Ghost Shrimp, Live Black Worms (sold out).

FRESHWATER FISH:

Rare or Unusual – Chocolate Gouramis, Apistogramma agassizi 'Fire Red' Pairs, Apistogramma cacatuoides 'Double Orange' Pairs, Apistogramma Cacatuoides 'Mega Red' Pairs, Super Red Kribensis, Red Loricaria, Royal Panamense Farlowella Catfish, Zorro Catfish, Corydoras adolfoi Catfish, XL Fire Eels, Black Arowana, Zebra Caecilian Aquatic Worm

Livebearers – Gold Dust Mollies, Red Platies, Redtail Dalmation Platies, 24K Tuxedo Platies, Mickey Mouse Platies, Assorted Swordtails, Sunburst Platies, Assorted Fancy Guppy Pairs, Assorted M/L Lyretail Mollies, Dalmation Mollies.

Catfish/Loaches/Plecostomus – Large RARE Scaldes Pictus Catfish, Black Bumble Bee Catfish, Hoplosternum Catfish, Four Line Pictus Catfish, Zorro Catfish, Adolfoi Corydoras Catfish, Green Emerald Brochus Corydoras Catfish, Agassizi Corydoras Catfish, Synodontis decorus Catfish, Synodontis flavitaeniatus Catfish, Synodontis multipunctatus Catfish, Synodontis 'Jaguar' Catfish, Botia lohachata Loaches, Farlowella Twig Catfish, Royal Panamense Farlowella Catfish, Red Loricaria Catfish, Green Gold Corydoras Catfish, L200 Green Phantom Plecostomus, L204 Emperor Plecostomus, Small Albino Bristlenose Plecostomus, Sterbae Corydoras Catfish, Rainbow Sharks, XXL Juruense Shovelnose Catfish, Synodontis Petricola Catfish, True Tigrinus Shovelnose Catfish, Golden Dojo Loaches, Angelicus Botia Loaches, Spotted Pictus Catfish, Chinese Algae Eaters, Hypostomus Plecostomus, Common Plecostomus, Albino Corydoras Catfish, Lg Clown Loaches, Small Clown Loaches, Green Corydoras Catfish, Otocinclus Dwarf Algae Eaters.

Brackish – Green Spotted Pufferfish, Green Scatophagus, Red Scatophagus, Archerfish, Javanese Bumble Bee Gobies, Mono Sebae, Mono Argentius.

Tetras / Rasboras / Barbs / Danios – Giant Danios, XL Gold Tiger Barbs, Lg Congo Tetras, Rainbow Emperor Tetras, Three Spot Paraguay Panda Tetras, Filamentosus Barbs, Golden White Cloud Mountain Minnows, Zebra Danios, Round-Banded Barbs, Bloodfin Tetras, Pristella Maxillaris Tetras, Red Serpae Tetras, Cardinal Tetras, Large Neon Tetras, Tiger Barbs, Gold Barbs, Scissortail Rasboras, Espei Pencilfish, Harlequin Rasboras, Clown Rasboras, Clown Barbs, Black Skirt Tetras, Green Tiger Barbs, Assorted Glo-Fish.

Gouramis / Bettas – Pearl Leeri Gouramis, Chocolate Gouramis, Male Bettas, White Pearl Fighter Bettas, Gold Honey Gouramis, Platinum Gouramis, Pink Kissing Gouramis, Blue Gouramis, Female Bettas, Super Color Fancy Dwarf Gouramis, Ctenopoma ansorgii.

Cichlids (Dwarf, South American, African) – Lg German Blue Rams, Super Red Kribensis, (3) Varieties of Fancy Apistogramma Dwarf Cichlids, M/L Jaguar Cichlids, Fuscotaeniatus Cichlids, Lg Obliquidens Cichlids, NEW AND INCREDIBLE Electric Blue German Rams, Rainbow Cichlids, Geophagus Surinamensis Eartheaters, Medium Green Terrors, Assorted Medium Peacock Cichlids, Assorted Mbuna Cichlids, Neolamprologus Calvus Cichlids, Neolamprologus Compressiceps Cichlids, Lg Electric Blue Ahli Cichlids, Carpentis Texas Cichlids, Premium Assorted Mbuna African Cichlids, Pink Convict Cichlids, Jack Dempsey Cichlids, Large and Medium Gold Severums, Small Assorted Oscars, Medium Assorted Oscars, Small, Large and Jumbo Peacock Bass.

Angelfish / Discus – Marble Angelfish, Koi Angelfish, Marble Angelfish, Medium Zebra Lace Veil Angelfish, Medium Koi Veil Angelfish, Super Orange Large Koi Angelfish, Medium Assorted Angelfish, Large German Stendker Discus...

Other – XL Fire Eel, Zig Zag Eels, African Ropefish, African Clawed Frogs, Albino Clawed Frogs, Freshwater Flounders, Orange Bee Shrimp, Black Arowana, Silver Halfbeaks,

Freckled African Clawed Frogs, Albino Clawed Frogs, Dwarf African Frogs, Millennium Rainbowfish, Boesemani Rainbowfish, Threadfin Rainbowfish, Turquoise Rainbowfish, Striped Peacock Eels, Tiretrack Eels, Yellowtail Spiny Eels, White Cheek Gobies, South American Teacup Stingrays, Beautiful Dwarf Rainbow Gudgeon Gobies, XL Japonica Algae Eating Shrimp, Japanese Trapdoor Snails, Mystery Snails, Nerite Snails, Large and Jumbo Peacock Bass, Assorted Fancy Rainbowfish, Medium Silver Arowanas, Polypterus palmus, Polypterus ornatipinnus, Ctenopoma ansorgii, Electric Blue Crayfish, Roseline Denisonii Sharks (Tank Bred!), Bala Sharks, Redtail Black Sharks, Lungfish (huge), African Butterflyfish, Distichodus Sexfasciatus.

Goldfish – Lg Calico Ryukins, Small Assorted Fantails, Medium Assorted Fantails, Medium Black Moors, Medium Chinese Orandas, Medium Chinese Ryunkins, Bubble Eyes, Telescope Eyes, Medium Calico Fantails, Lionheads.

Pond Fish: 2"-3" Domestic Koi, 6" Domestic Koi, Japanese Grade 5" Shiro Utsuri Koi, 8" Butterfly Koi, 6" Butterfly Koi, 6" Premium Butterfly Koi, 6" Shubunkins, Jumbo Domestic Koi.

SALTWATER FISH:

Angels / Butterflyfish – Female Blue Bellus Angelfish, Potters Angelfish, Eiblii Angelfish, Flagfin Angelfish, Asfur Angelfish, Hawaiian Teardrop Butterflyfish, Male Yellow Bellus Angelfish, Adult Blue Face Angelfish, Fiji Mertensii Butterflyfish, Coral Beauty Angelfish, Flame Angelfish, Half Black Angelfish, Koran Angelfish.

Clownfish – Red Tomato Clownfish, Yellow Stripe Maroon Clownfish, Black Clarkii Clownfish, Ocellaris Clownfish, True Percula Clownfish, Black Onyx Percula Clownfish, Maroon Clownfish.

Gobies / Blennies / Jawfish – Common Algae Blennies, Tail Spot Blennies, Yashia Haze Gobies, Monster Shrimp Goby, Purple Firefish Gobies, Yellow Watchman Gobies, Blue Fin Watchman Gobies, Blue Spot Watchman Goby, Rainfordi Gobies, Hector's Gobies, Dragon

Sifter Gobies, Golden Head Sifter Gobies, Starry Algae Blennies, Bicolor Blennies, Brown Cheek Barnacle Blennies, Clown Gobies, Black Cap Jawfish, Candy Cane Gobies, Bullseye Jawfish, Black & White Priolepsis Gobies, Orange Spot Guttata Gobies, Randalli Gobies, Pink Barred Gobies, Diamond Sifter Gobies, Bullethead Reef Blennies.

Wrasses / Hogfish – Lg Spanish Hogfish, Pinstriped Melanurus Wrasses, Lunare Wrasse, Male Banana Wrasses, Common Christmas Wrasses, McCosters Fairy Wrasses, Rubro Red & Blue Fairy Wrasses, Two Spot Wrasse, Coral Hogfish, Red Christmas Wrasses, Sixline Wrasses, Surge Wrasse, Indo Harlequin Tuskfish

Tangs / Rabbitfish – Sri Lankan Clown Tangs, Sailfin Tangs, Desjardini Sailfin Tangs, Small Naso Tangs, Kole Tangs, Gold Spotted Rabbitfish, Mimic Half Black Tangs, Fowleri Tang.

Triggerfish / Eels / Puffers – Baby Clown Triggerfish, Baby Starry Pufferfish, Dogface Pufferfish, Blue Dot Pufferfish, Chainlink Moray Eels, Caribbean Sharpnose Pufferfish, Valentini Sharpnose Pufferfish, Leopard Sharpnose Pufferfish, Rectangulus Triggerfish, Humu Triggerfish, Clown Triggerfish, Snowflake Moray Eels, Ghost Eel.

Lionfish/Scorpionfish – Medium Black Volitan Lionfish

Other – Janss' Pipefish, Marine Betta Comets, Green Wolf Pseudochromis, Foxface Rabbitfish, Hifin Rooster Snapper, Assorted Damselfish, Evansi Anthias, Bartlett's Anthias, Longnose Hawkfish, Australian Red Scatophagus, Springeri Pseudochromis, Fiji Devil Damselfish, Scooter Dragonettes, Red Striped Squirrelfish, Mono Argentius, Silver Scatophagus, Fridmani Pseudochromis, Fathead Anthias, Falco Hawkfish, Mandarin Dragonettes, Pajama Cardinalfish

INVERTEBRATES:

Snails / Cucumbers / Starfish / Urchins – Atlantic Turbin Snails, African Starfish, Knobby Brittle Starfish, Medium Nassarius Sifter Snails, Babylonia Sifter Snails, Red & Black Cucumbers, Pin Cushion Urchins, Nerite Snails, Cerith Snails, Astrea Reef Snails.

Crustaceans – Evil Peacock Mantis Shrimp, Scarlet Reef Hermits, Tiger Pistol Shrimp, Anemone Shrimp, Atlantic Pistol Shrimp, Porcelain Crabs, Green Emerald Crabs, Golden Coral Banded Shrimp, Coral Banded Shrimp, Reef Lobsters, Anemone Crabs, Zebra Reef Hermits, Red Tip Reef Hermits, Horseshoe Crabs, Pacific Hairy Red Leg Hermits.

Corals / Polyps / Mushrooms – Purple Acropora Corals, Cultured Purple Tip Acropora Corals, Red & Green Super Trachyphyllia Coral, Purple Digita Montipora Coral, Pink Birdnest Coral, Spiny Cup Pectinia Coral, Red Chili Coral, Assorted Leather Corals, Porites Coral w/ Colored Christmas Tree Worms, Australian Pink Balanophyllia Coral (non-photosynthetic), Pink Acanthastrea Coral, Yellow Polyps, Sinularia Leather Corals, Pineapple Favia Coral, Super Grade Favites Brain Coral, Aussie Orange & Blue Lobophyllia, Green Merulina Corals, Green Trachyphyllia Corals, Blasstomussa Corals, Assorted Indonesian Zoanthid Rocks, Green Star Polyp Rocks, Echinophyllia Corals, Assorted Favia Brain Corals, Cultured Acropora Solitariensis, Australian Scolymia Corals, Australian AWESOME Acanthastrea Corals, Assorted Mushroom Rocks.

Other – Caribbean Aqua-Cultured Live Rock, Long Tentacle Anemones, Green Carpet Anemone, Fancy Bubble Anemones, Fiji Live Rock, Rose Bubble Anemone, Rock Anemones, Chaetomorpha Algae for Refugiums, Red Rose Gorgonians, Assorted Feather Dusters, Sea Apple, Live Tiger Pod Cultures.