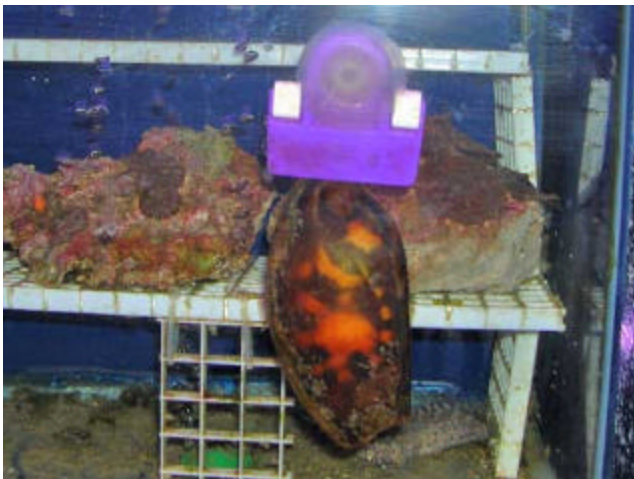


# tideline newsletter tideline aquatics

## Tideline Aquatics Store Hours

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

## WHAT IS A SHARK EGG?!

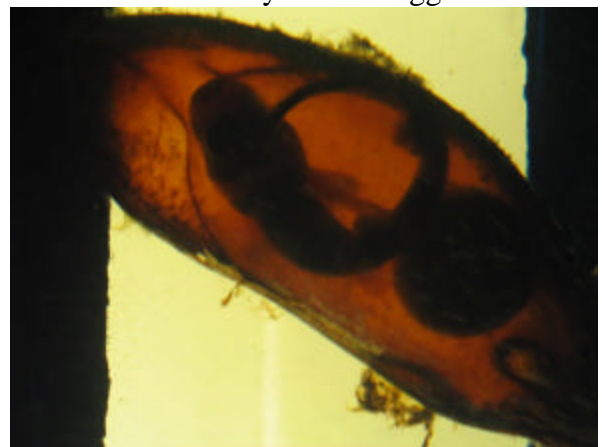


**BANDED CAT SHARK DEVELOPING INSIDE THE EGG!**  
When you think of marine sharks, most are live-bearers meaning they become pregnant through breeding and have live young. But there are actually quite a few sharks that lay eggs! Here we will discuss the Banded Cat Shark (*Chiloscyllium Punctatum*). If you have looked at the web coupons this week, you will see that these are on special. Now many of you may be excited to own a shark for your marine aquarium BUT let's discuss some care required for these delicate marine animals BEFORE you purchase one!

The banded cat shark is one of the smaller growing marine sharks but it still will require about a 180 gallon aquarium when it reaches full

size (about 30"-36" in the aquarium). For this reason alone you should make a smart decision about whether you will be able to house one of these creatures comfortably in your home aquarium. Marine sharks require EXCELLENT water quality! Frequent partial water changes are a must in order to keep organic levels and nitrate levels low. They are completely intolerable of ammonia and nitrite as well. Your aquarium should also have a large biological filter, a quality and fully functioning protein skimmer and live rock caves for the shark to seek shelter. Now let's discuss care for the egg capsule...

Since you have an aquarium large enough to house an adult shark and you have adequate filtration (see above) with dedicated aquarium husbandry, you should be comfortable with purchasing a shark egg capsule. The egg capsule you plan on purchasing should be gently held against the light so you can see the shark embryo actively moving inside the egg capsule. If the area inside the egg capsule looks cloudy and/or without movement, that egg capsule should be avoided as it is likely a "dead egg".



**SEE THE SHADOW OF THE SHARK EMBRYO INSIDE!**

Depending on the age of the egg capsule, you may see a 1"-2" shark moving about inside with a yolk sac attached or you may see a 4" fully formed shark inside. The size of the shark inside the egg capsule will give you an idea about how long it will be before the shark emerges from the egg. You should acclimate the shark egg capsule just as you would any other marine fish using either drip acclimation or by floating the bag and adding small amounts of water over a 1-2 hour period. The egg capsule should be handled gently and placed inside the aquarium quickly. Turn the egg gently from end to end to ensure that no air has been allowed to remain inside the egg capsule. The egg capsule should be suspended off the bottom of the aquarium using either a vegi-clip (attached to just a small corner tip of the capsule) or inside a mesh cage that allows excellent water flow around the egg capsule. Once you've placed it in the aquarium, regular handling should be avoided! Depending on the development of the shark embryo when you purchased it, it may take weeks (12 weeks or more) to hatch. You will see the shark growing larger and the egg sac shrinking smaller. When it comes close to hatching time, the shark will dart about inside the egg capsule until it breaks free ON ITS OWN. Don't try to release the shark because you believe it is stuck inside as this will cause harm to the shark.



**A BRIGHTLY COLORED HATCHLING!**

About 24 hours after the shark has emerged from the egg capsule you will want to begin to offer it food. These animals do not bite off chunks of food from large meaty pieces but instead eat tiny chunks of food. It should be offered finely chopped shrimp, squid, clam and mussels that have been soaked in a vitamin supplement

designed for aquarium fish. As a treat, you can offer your newly hatched shark small grass shrimp as well. Never feed your marine shark goldfish or other freshwater "feeder" type foods. It can take up to 7 days for a newly hatched shark to begin feeding but most often 2-3 days is the normal time frame. Don't overfeed the shark but instead offer 2-3 small chunks of food daily and increasing the amount as the animal grows. Though the shark is only about 5"-6" long when it hatches, it can grow about 12" per year! As your shark matures, the dark black stripes will fade to a more grey color. As an adult the stripes will be quite vague.



**BOLD COLORS FADE AS THE SHARK MATURES**

There are certain fish that should be completely avoided with marine sharks. Big eaters like groupers can quickly out-compete your shark for food resulting in starvation. Pufferfish and triggerfish are notorious for biting on the fins of sharks so these fish should also be avoided. We have even seen many marine angelfish nip at the delicate skin of marine sharks so watch your aquarium closely for any signs of this behavior. A wounded shark is extremely difficult to bring back to health meaning that prevention is your best medicine. Species that are usually safe with marine sharks are Rabbitfish, Squirrelfish (Soldierfish), Surgeonfish (Tangs), less aggressive Eels, Clownfish and Wrasses. Be sure to quarantine any new fish that are to be placed in the aquarium with your marine shark (this should be common procedure for all aquarists anyway). Copper treatments for marine parasite outbreaks are not tolerated by marine sharks and will most often kill them! Prevention is key! These sharks are not for just anyone so make smart decisions BEFORE you purchase one of these delicate marine organisms.....

## THE PANDA CORY CATFISH



Corydoras panda is named after the Giant Panda of China due to its similar markings. This corydoras species was first collected in 1969 though it gained great popularity in the 1980's as it became more available through captive breeding programs. In Peru where it was first collected the water is quite cool (about 72 degrees) and surprisingly alkaline (about 7.7) compared to waters where many other corydoras are found. With many years of captive breeding now this corydoras catfish is quite adaptable to waters with a pH of 7.0-7.8 and a temperature range of 72-78 degrees. This is an active corydoras species preferring to be kept in groups of three or more. Being just a little more expensive than some of the more common corydoras, these fish are hardy once they have overcome the stresses of shipping and handling to your local aquarium store. Like most other corydoras species, the Panda Cory Catfish are easily sexed with the females being more broad in body shape compared to the more lean males. Don't be surprised when you see corydoras eggs scattered here and there about the aquarium as these fish readily breed in the aquarium if offered good water quality.



## THE TIDELINE AQUATICS AUGUST AQUARIUM GIVE-A- WAY IS ON....



Through the entire month of August every time you visit Tideline Aquatics you can sign up for a chance to win a 29 Gallon Biocube Aquarium and Cabinet Stand. There is no purchase required to enter our give-a-way – all you have to do is visit the store and sign up! We will draw a winner from the bucket on September 1<sup>st</sup>. The more you visit the store, the greater the chance for you to win the aquarium so come on by and sign up this month for our August Aquarium Give-a-Way....

**SIGN UP!!** 

Go to [www.twitter.com](http://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. With your twitter account you will receive notifications of livestock shipments, product specials and best of all "twitter only" super specials sent out randomly to our twitter followers.

## CMAC – THE COLUMBIA MARINE AQUARIUM CLUB THIS SATURDAY!!

On Saturday, August 22 at 7:00pm the Columbia Marine Aquarium Club (CMAC) will hold their monthly meeting at Tideline Aquatics. Anyone that wants to attend this meeting is welcome. All

we ask is that you bring a folding chair for your comfort. This is a well-organized club of dedicated hobbyists that do support their local fish stores. We will have simple food and drink provided by CMAC and Tideline Aquatics along with a few surprises for those that attend. This is an excellent forum for discussions about aquariums with others that enjoy the hobby as much as you do! We look forward to hosting this meeting THIS Saturday, August 22<sup>nd</sup> at 7:00pm sharp. Please park behind the store and enter through the back door.

**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 Guppies, Feeder Goldfish, Feeder Crayfish, Feeder Fiddler Crabs, Feeder Rosy Reds, Feeder Ghost Shrimp, Live Black Worms are all in stock now!

### **FRESHWATER FISH:**

**Rare or Unusual** – Hexazona Barbs, Temensis Peacock Bass, Large Super Gold Rams, Endlicheri Polypterus bicher, Vanilla Crayfish (very cool and expensive), Rare Spotted Freshwater Stingray, JUMBO Clown Loach, Electric Blue Rams, White Claw Borneo Shrimp, Super Red Kribensis, Synodontis petricola Catfish, Synodontis decorus Catfish, Betta enisae, Juvenile Uaru Cichlids, Colombian Tiger Pufferfish, Farlowella Catfish, Zorro Catfish, Corydoras adolfoi Catfish, Black Arowana, Zebra Caecilian Aquatic Worm, Pictus scades Catfish

**Livebearers** – Green Cobra Delta Guppies, Half Black Yellow Guppies, Dawn Platies, Sunburst Platies, Red Wag Platies, Gold Dust Mollies, Red Platies, Redtail Dalmation Platies, 24K Tuxedo Platies, Mickey Mouse Platies, Assorted

Swordtails, Sunburst Platies, Assorted M/L Lyretail Mollies, Dalmation Mollies.

**Catfish/Loaches/Plecostomus** – Panda Corydoras Catfish, Redtail Black Sharks, Large RARE Scaides Pictus Catfish, Black Bumble Bee 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, 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, Chinese Algae Eaters, Hypostomus Plecostomus, Common Plecostomus, Albino Corydoras Catfish, Lg Clown Loaches, Small Clown Loaches, Green Corydoras Catfish, Otocinclus Dwarf Algae Eaters.

**Brackish** – XL Green Spotted Pufferfish, Colombian Tiger Pufferfish, Small Green Spotted Pufferfish, Mono Sebae, Mono Argentius.

**Tetras / Rasboras / Barbs / Danios** – Red Serpae Tetras, White Cloud Mountain Minnows, Rummynose Tetras, Hexazona Barbs, Giant Danios, XL Gold Tiger Barbs, Lg Congo Tetras, Rainbow Emperor Tetras, Three Spot Paraguay Panda Tetras, Filamentosus Barbs, Zebra Danios, Round-Banded Barbs, Bloodfin Tetras, Pristella Maxillaris 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, Male Bettas, White Pearl Fighter Bettas, Gold Honey Gouramis, Platinum Gouramis, Pink Kissing Gouramis, Blue Gouramis, Female Bettas, Ctenopoma ansorgii.

**Cichlids** (Dwarf, South American, African) – Large Super Gold Rams, Temensis Peacock Bass, German Blue Rams, German Gold Rams, Super Red Kribensis, M/L Jaguar Cichlids,

Fuscotaeniatus Cichlids, Lg Obliquidens Cichlids, Electric Blue German Rams, Rainbow Cichlids, Geophagus Surinamensis Eartheaters, Medium Green Terrors, Assorted Mbuna Cichlids, Neolamprologus Calvus Cichlids, Neolamprologus Compressiceps Cichlids, Carpentis Texas Cichlids, Premium Assorted Mbuna African Cichlids, Pink Convict Cichlids, Jack Dempsey Cichlids, Large Gold Severums, Small Assorted Oscars, Medium Assorted Oscars, Jumbo Peacock Bass.

**Angelfish / Discus** – Assorted Medium and Large Domestic Angelfish, M/L Assorted German Discus.

**Other** – Vanilla Crayfish, South American Dragon Gobies, Polypterus Endlicheri, Zig Zag Eels, African Ropefish, African Clawed Frogs, Albino Clawed Frogs, Freshwater Flounders, Orange Bee Shrimp, Black Arowana, Freckled African Clawed Frogs, Albino Clawed Frogs, Dwarf African Frogs, Boesemani Rainbowfish, Threadfin Rainbowfish, Turquoise Rainbowfish, Striped Peacock Eels, Tiretrack Eels, Yellowtail Spiny Eels, South American Teacup Stingrays, Beautiful Dwarf Rainbow Gudgeon Gobies, XL Japonica Algae Eating Shrimp, Japanese Trapdoor Snails, Nerite Snails, 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, Calico Fantails, Lionheads, Small Comets, Small Shubunkins.

**Pond Fish:** 2’-3” Domestic Koi, 6” Domestic Koi, 5” Shiro Utsuri Koi, 8” Butterfly Koi, 6” Butterfly Koi, 6” Premium Butterfly Koi, Jumbo Domestic Koi.

#### **SALTWATER FISH:**

**Angels / Butterflyfish** – African Flameback Pygmy Angelfish, Xanthurus Angelfish, Blak Nox Angelfish, Rusty Angelfish, Swallowtail Angelfish, Flagfin Angelfish, Flame Angelfish,

Lemon Peel Angelfish, Blue Bellus Angelfish, Raccoon Butterflyfish, Asfur Angelfish, Fiji Mertensii Butterflyfish, Coral Beauty Angelfish, Black & White Heniochus Butterflyfish, Koran Angelfish.

**Clownfish** – Pair Snowflake Ocellaris Clownfish, Blue Stripe Clownfish, Small Tank Bred Ocellaris 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** – Blue Spotted Jawfish, Orange Spotted Blennies, Midas Blenny, Horned Blennies, Diamond Sifter Gobies, Green Banded Gobies, Flagtail Trimma Gobies, Ruby Trimma Gobies, Rainbow Eel Gobies, Firefish Gobies, Purple Firefish Gobies, Twospot Signal Gobies, Candy Cane Gobies, Bicolor Blennies, Orange Aurora Gobies, Neon Tiger Gobies, Pearly Jawfish, Common Algae Blennies, Yashia Haze Gobies, Monster Shrimp Goby, Yellow Watchman Gobies, Blue Fin Watchman Gobies, Hector’s Gobies, Dragon Sifter Gobies, Starry Algae Blennies, Bicolor Blennies, Clown Gobies, Black Cap Jawfish, Candy Cane Gobies, Bullseye Jawfish, Black & White Priolepsis Gobies, Orange Spot Guttata Gobies, Randallii Gobies, Pink Barred Gobies, Bullethead Reef Blennies.

**Wrasses / Hogfish** – Yellow Coris Wrasses, Rubro Fairy Wrasses, McCosters Fairy Wrasses, Ruby Head Fairy Wrasse, Scotts Fairy Wrasse, Carpenters Fairy Wrasse, Chiseltooth Wrasses, Candy Hogfish, Twinspot Coris Wrasse, Dragon Wrasse, Lunare Wrasse, Male Banana Wrasses, Common Christmas Wrasses, Two Spot Wrasse, Coral Hogfish, Red Christmas Wrasses, Sixline Wrasses, Surge Wrasse, Indo Harlequin Tuskfish.

**Tangs / Rabbitfish** – Mustard Guttatus Tang, Atlantic Yellow Tang, Foxface Rabbitfish, Desjardini Sailfin Tangs, Sailfin Tangs, Yellow Eye Kole Tangs, M/L Naso Tangs, Powder Blue Tangs, Blue Regal Tangs, Java Rabbitfish (not reef safe), Yellow Tangs, Sri Lankan Clown Tangs, Sailfin Tangs, Small Naso Tangs, Gold Spotted Rabbitfish, Mimic Half Black Tangs, Fowleri Tang.

**Triggerfish / Eels / Puffers** – Baby Clown Triggerfish, XXL Niger Triggerfish, Ghost Eel, Orange Tail Blue Spotted Pufferfish, Caribbean Sharpnose Pufferfish, Niger Triggerfish, Dogface Pufferfish, Valentini Sharpnose Pufferfish, Leopard Sharpnose Pufferfish, Rectangulus Triggerfish, Humu Triggerfish, Clown Triggerfish, Snowflake Moray Eels.

**Lionfish/Scorpionfish** – Small and Medium Black Volitan Lionfish, Fuzzy Dwarf Lionfish, Radiata Lionfish, Dwarf Lionfish

**Other** – Bangaii Kauderni Cardinalfish, Square Back Anthias, Bartlett's Anthias, Panther Groupers, Highfin Perchlet, Bimaculatus Anthias, Orange Lyretail Anthias (females), Red Lyretail Anthias (males), Jewel Damsel fish, Scooter Dragonets, Janss' Pipefish, Clown Grouper, Fridmani Pseudochromis, Tank Bred Seahorses, Shark Egg Capsule, Marine Betta Comets, Green Wolf Pseudochromis, Hifin Rooster Snapper, Assorted Damsel fish, Evansi Anthias, Longnose Hawkfish, Australian Red Scatophagus, Springeri Pseudochromis, Fiji Devil Damsel fish, Mono Argentius, Silver Scatophagus, Mandarin Dragonettes, Pajama Cardinalfish.

#### **INVERTEBRATES:**

**Snails / Cucumbers / Starfish / Urchins** – Mexican Turbo Snails, Tuxedo Urchins, Chocolate Chip Starfish, Orange Linkia Reef Starfish, Orange Cateye Turbo Snails, Atlantic Turbin Snails, African Starfish, Medium Nassarius Sifter Snails, Babylonia Sifter Snails, Short Spine Urchins, Nerite Snails, Cerith Snails, Astrea Reef Snails.

**Crustaceans** – Scarlet Reef Hermits, Sally Lite Foot Crabs, Emerald Crabs, Electric Blue Reef Hermits, Halloween Reef Hermits, Zebra Reef Hermits, Fire Shrimp, Cleaner Shrimp, Candy Cane Pistol Shrimp, Blue Spiney Lobsters, Sexy Shrimp, Lime Green Mantis Shrimp, Tiger Pistol Shrimp, Atlantic Pistol Shrimp, Porcelain Crabs, Golden Coral Banded Shrimp, Coral Banded Shrimp, Anemone Crabs, Zebra Reef Hermits, Red Tip Reef Hermits, Horseshoe Crabs.

**Corals / Polyps / Mushrooms** – Bubble Corals, Duncans Whisker Coral Colonies, Green Candy Acanthastrea Coral, Fancy Zoanthid Rocks, Yellow Devil Hand Leather Coral, Green Hairy Tree Corals, Toadstool Leather Corals, Rabbit

Leather Coral, Assorted Mushroom Rocks, Torch Corals, Pulsing Xenia Rocks, Orange Fungia Plate Corals, Spiny Cup Pectinia Coral, Pink Birdnest Coral, Super Red Blasstomussa merletti Corals, Green Eye Blasstomussa wellsi Corals, Red & Green Super Trachyphyllia Coral, Purple Digita Montipora Coral, Porites Coral w/ Colored Christmas Tree Worms, Yellow Polyps, Sinularia Leather Corals, Pineapple Favia Coral, Aussie Orange & Blue Lobophyllia, Green Merulina Corals, Australian Blasstomussa Corals, Daisy Polyp Rocks, Green Anthelia Rock, Green Star Polyp Rocks, Echinophyllia Corals, Cultured Acropora Solitariensis, Australian Scolymia Corals, Australian AWESOME Acanthastrea Corals.

**Other** – Caribbean Aqua-Cultured Live Rock, Rare Feather Dusters, Hawaiian Feather Dusters, Purple Gorgonian, Sea Hares, Long Tentacle Anemones, Carpet Anemone, Fancy Bubble Anemones, Fiji Live Rock, Rock Anemones, Chaetomorpha Algae for Refugiums, Assorted Feather Dusters, Sea Apple.