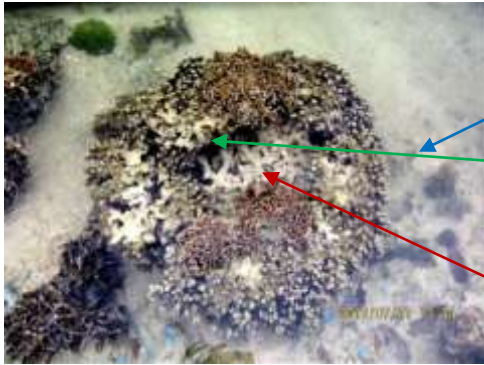


<http://www.shuzou-arakaki.info/>

1 Follow-up study of clinical trial data scatter deep water coral reef in the waters east fishery pond Minatogawa town Yaese Okinawa coral recovery that started in 2010

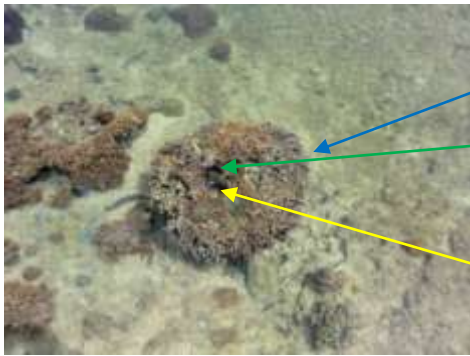


2010727

Skeletal coral has been in progress

(Injected into the bottle cap open after setting soy sauce)  
Gm0 deep ocean water bottle set preparation

Great depression



20111011

Has grown by about 2 cm  
approximately recovered coral  
sauce bottle was assimilated into the coral set was completely skeletonized

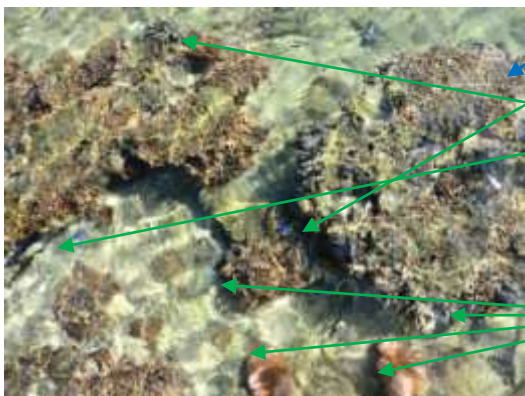
Minor depression is recovered



20121025

The newly set drip bottle

Dense coral breeding depression is resolved



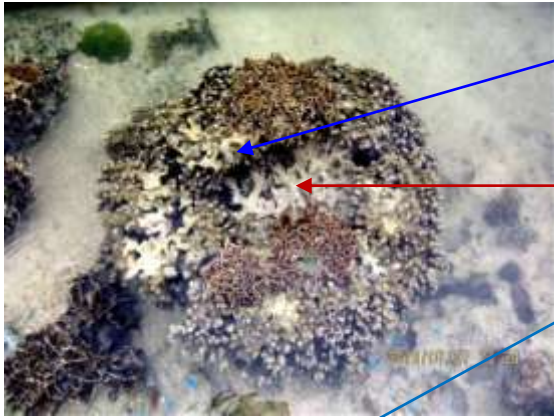
20121025

Cobalt sparrow fish breeding to about three times

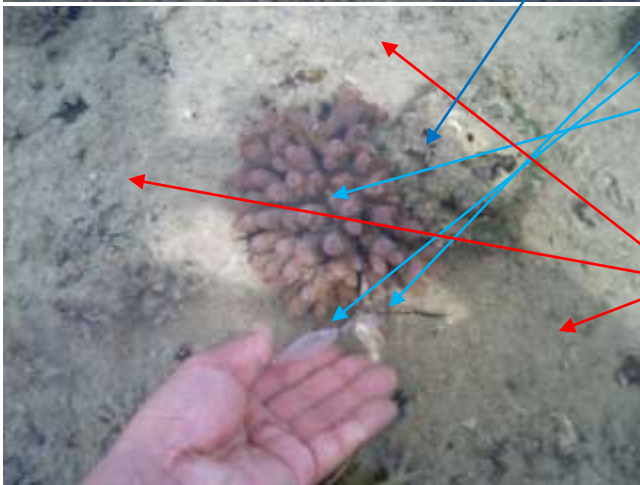
Has come to be seen symbiont and many other sea urchins and sea cucumbers

I got to rally around cobalt sparrow should not be wary of feet

Photo series installation at photon tunnel preparation of deep ocean water (Gm0)  
 Arakaki Shuzo ultrasound Zhou Institute issued October 20, 2012  
<http://www.shuzou-arakaki.info/kaiyousinsousuitop/indextop.html>



At the start of installation, installation sauce bottle stock Gm0 minute recess center  
 Center has been greatly depressed  
 Admit the deposition of brown algae on the surface at approximately 4 weeks  
 Bottle of soy sauce after approximately eight months has been assimilated into the coral, it can be determined that barely dripping bottle  
 Admitted to adhere to a number of rubble sand and sea lettuce sea lettuce breeding: that is being filled with coral depression in the center is resolved  
 Sauce bottle is completely within the coral  
 No longer depressed  
 Uplift above the ambient mild in the direction of  
 This portion of the whitened installation part 80 db preparation  
 Attempt to promote adhesion of the coral and the algae by replacing 60 db than 7/22  
 Assimilation in fixed wire coral calcification



20100710 start

Large amounts of time in various algae algae growth

Admitted shellfish sea cucumber and spiders that feed on algae

Soy sauce bottle filling installation Gm0 to give vitality to the small branch coral

Be cleaned by typhoon

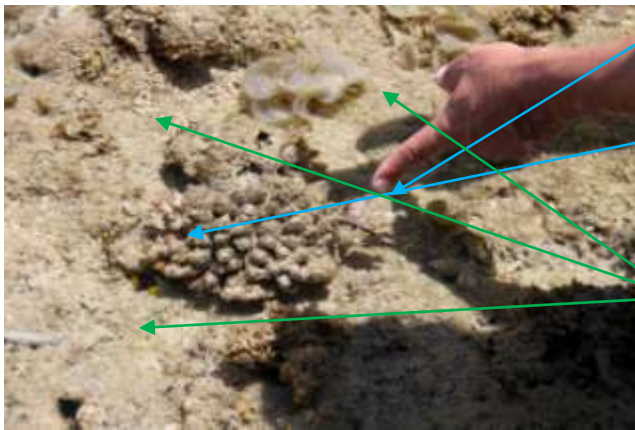
Forming a sandy shoreline sand and seaweed that had been deposited was launched on coastline

60 db was set up on July 10

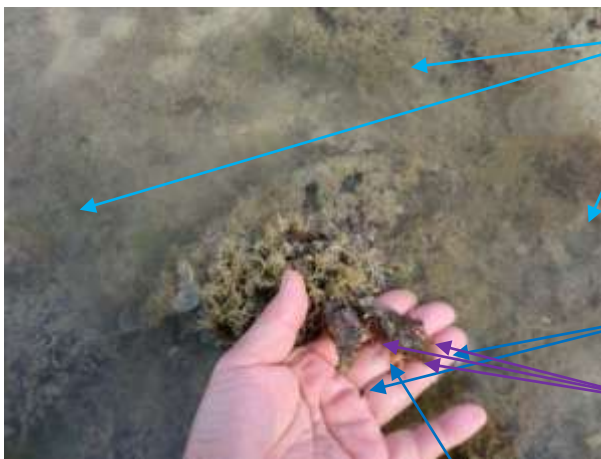
Added on July 27, 60 db

Corals are prepared for spawning

Algae is cleaned by typhoon  
Sand rock missing



Admit the deposition on the surface seems to be the foundation coral August 2011  
 In a healthy coral and algae peel off sand and covered tightly to the surface, the algae  
 Approximately 2 cm of sand insect husk that seems to have been deposited  
 Enable



He is thought to have become dense algae breeding in April 2012 after 10 months  
 In addition, sediment and increased to about 3 cm  
 Elongated stalk-like algae grows  
 Start a small coral breeding  
 Hard sand stone is filled inside



May 2012



October 25, 2012

Coral algae that survive without being destroyed in the typhoon No. 17 phenomenal

Coral branches had been shed so unfortunately, (arranged drip bottle set in stone coral, which was launched) set substitute

The eelgrass is was about 3 m diameter July 2010 (when the bottle set deep water)  
 In August 2012 is more than 5 m diameter lightly. I've been raised mound in the shape  
 of sand has been deposited in the heart of the eelgrass also



Eelgrass is growing next to  
 Eelgrass center is fixed so as not to shed in the sand is deposited in a mound eelgrass (about 30 cm in height).

Shoreline is expected to be about 100 cm from the raised height 50 sand that was swept  
 away by a typhoon is deposited, beach grass and bindweed have been native



Sargassum has been launched on the edge of the surf on the waves caused by Typhoon No. 17  
 Lawn is overgrown in many densely deposited sand is brought in from offshore  
 Around 15 years ago the coral had been breeding

Has become a high mound of algae accumulate sand in sand called algae

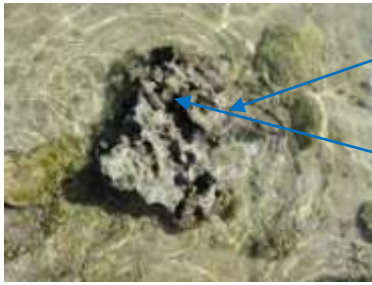


Forming a mound seaweed to breed sand is deposited, sand is deposited further  
 Eelgrass and seaweed are coming thick sand is also deposited in the cleft of the rock



Breeding of seaweed and sea lettuce  
 Below that is fixed to a lot of sand. It seems we will soon metamorphosed into sandstone (formerly harvested area of sandstone) alias AWAISI

To coral rubble of animal creatures are likely to breed, such as sea lettuce seaweed tends to flourish in sand stone



The breeding of lettuce coral rubble stone and seaweed are minor

Adhesion of shellfish and oyster rocks stand out



Millet in stone (AWAISI) is sea lettuce are growing thick in the dense

Sea lettuce has been breeding place of fresh water gushing in coral stone



See the growth of sea lettuce tightly fossil coral uplift.

Sand has been brought in from offshore in Typhoon No. 17

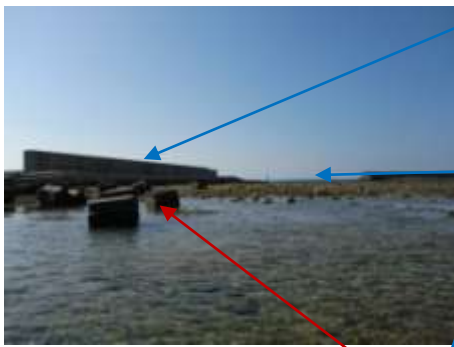


Spring water was observed. I suggest that the frame is fresh water it's not salty taste

By the formation of the mound breakwater

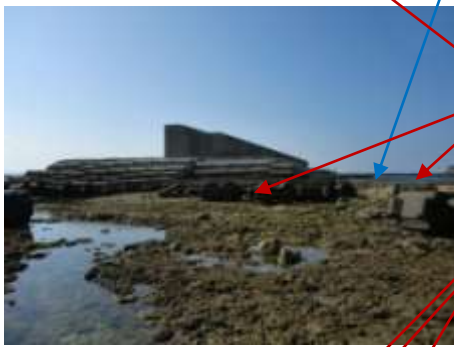


Breakwater was installed when the offshore reef to protect against the waves of typhoons (about 10 years ago)



Are placed in parallel to the east in order to protect the big waves from the east

Form a mound about 1 m in coral rubble and sand entrainment flow during typhoon waves of over 10 years. I have not seen in breeding of organisms will change shape to each of the typhoon



10 t blocks are easily broken down by wave

Wave-receiving surface side of the breakwater has been scraped Egururu coral or sand



Admit multiple small flat coral branches relatively flat old coral branches had been dense. Do you do not you can fish hiding? I do not see much

It was coral reef restoration in the deep ocean water use



Hibiscus flowers got the energy of the primitive also bloomed beautifully large



Natural environment formation must utilize natural energy