2020 TMDC’s Giant Clam ‘bypass’ propagation method.

See here the brief Tridacna Mariculture Development Centre ‘bypass’ protocol preview that will provide drastic hatchery and field production improvements!

1) Hatchery raceways & tanks; bypass concrete for the first 3 months, use fibreglass or plastic.
2) Brood-stock; only 6 clams per spawning OK, clean to bypass unwanted contamination.
3) Spawning; best way to induce, get maximum fertilization & bypass polyspermy.
4) Serotonin; never use this method, to bypass spawning crash.
5) Antibiotics; how to prepare tanks with probiotics to bypass antibiotics.
6) Aeration; how to bypass the usual mass mortality during the larval period.
7) PVC pipes aeration; bypass perforated PVC pipes, use air-stones for aeration purposes.
8) Temperature control; to bypass minimum and maximum lethal threshold for larvae.
9) Drain-down; don’t practise, to bypass heavy losses of clam larvae.
10) Larval feeding; TMDC’s bypass system guarantees 98% or higher successful settlement.
11) Metamorphosis; multiple interventions to bypass fouling mortality; 2 natural ways with living “cleaners” and 2 mechanical ways with custom-made tools supplied by TMDC.
12) Water-changes after settling; how much & how often, to bypass unseen losses.

Herewith, hatcheries will bypass the usual high larval mortality and production will not depend on obsolete breeding techniques but on the choice of larval tanks made available for farming. The TMDC latest hatchery techniques allow the production of millions of giant clam seeds (all species) at unprecedented economical and commercially favourable costs.

‘Bypass’, the best of all field Innovations:
Because of this super low-cost production of 2-3mm seed-clams, a new natural farming method can be used that will eliminate all maintenance from the day these millions of seeds are sown directly on suitable reef-flats to bypass the first 3 months of the natural recruitment phase and then left alone to grow the usual way until a selected harvest time.

Seed-clams reattach in minutes, juveniles take months, large clams take years!

For the first time all known giant-clam farming hurdles have been overcome and the fundamental conditions are at last favourable for economically viable large scale sustainable mariculture of giant-clams in island countries with suitable lagoons for restocking & reef rehabilitation, local food security and/or export seafood markets.

TMDC’s ‘bypass’ method = advanced Giant Clams natural recruitment!

Visit: www.lagoonclams.com/the-vision.html and for potential free technology transfer funding, please email: Philip-dor@hotmail.com, +61404291128.