



AQUAFARMER AUSTRALIA

AQUAFARMER AUSTRALIA Pty Ltd



Aquafarmer Fish Farm Model

Above is a farm with enormous potential and yet sadly, it stands idle. It remains this way for many reasons but mainly, because of a lack of aquafarming management skills.

Remaining positive in an industry that has not seen a new venture for over thirteen years, this article focuses on the potential of one of the many underutilized farms along the eastern coast of Australia. This brief page article explains the Aquafarmer Fish Farm Model for Coral Trout production in Australia.

It was at this farm that most of Aquafarmer's preliminary work into Coral Trout Culture was done. And it was in regard to feeding large crops that the research work into Whiting was also carried out. Aquafarmer considers this use of Whiting to be a major break through for land based fish farming in Australia.

Here was and is a chance to bring many facets of aquaculture and aquafarming together. The Coral Trout breeding was successful and yet no high quality feed was and still is currently available. To make Coral Trout commercial on a commercial scale requires much more than successful breeding technology.

Aquafarmer has long been an advocate of sustainable aquafarming and has always had major issues with the need to harvest wild fish to support aquaculture. It takes 3 kilograms of wild caught ocean fish to produce 1 kilogram of cultured fish. A figure which Aquafarmer finds totally unacceptable. Hence the research work into sustainable protein production and [zooplankton](#).

So to breed and growout three hundred to four hundred tonnes of coral trout required a different approach. Something radical by current standards and yet a method that should have been achieved twenty years ago.

Whiting can be bred all year round. They are an opportunistic bottom feeder capable of alluding capture by cormorants. And they have many other qualities that make them very suitable as a high quality feed organism.

So why not add live Whiting to the Coral Trout Culture? By-pass the traditional methods of pellet feeds? The answer is absolutely YES.

This new method of high feed-chain polly-culture (HFCPC), I believe, is highly profitable.

HFCPC is a massive departure from convention and offers many advantages based on the unique abilities of Whiting. Without going into species detail, the polly-culture nature alleviates considerable demand on pond metabolics and internal stability. As such the crop remains healthy and maintains high performance in quality and growth rate.

The above farm has all the necessary parameters for continual support and yet it remains idle.

Aquafarmer is searching for motivated investment to dynamically complete the above work and produce a new aquaculture species based on the following quick summary. This project will require support to firstly buy the farm and commence the commercial applications already well researched.

Coral Trout Production Based on an Eighteen Month Growout Cycle

Farm Production = 40 Ha x 10 tonne = 400 tonne = \$22.4 million AUD

Cost of Production = Consumables = \$2,000,000

Electricity = \$500,000

Staff = Ten Full-time = \$1,000,000

Total cost of production = \$3,500,000

Production is based on current market prices of wild Coral Trout landed at wharf of \$56 per kilogram.



Aquafarm for Sale from ANZ Bank

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Please read through the various pages and consider the current global demand and the current lack of commercial application. The research only lacks final pilot scale application. However the privately own facility is about to go into liquidation. This a chance to purchase a viable business and benefit from research on a global scale. COMMERCIAL AQUAFARMING of the following:::

[Land Based Oyster Culture](#)

[Sustainable Aquatic Protein Production \(Zooplankton\)](#)

[Efficient RAS Designs and Global Turn Key Construction](#)

[Coral Trout Production](#)

Whiting Production

[Contact Aquafarmer](#) for further information.

Throw out the silly old ways and start with a dynamic for consistent aquatic protein production.

Check Out the Research Site

Come and join Aquafarmer on this exciting journey.

\$4 mill to buy the farm, secures total investment

Aquafarmer funds the research and remainder.

Whiting production has been proven and the farm below, if only used for whiting growout, would gross over \$2 million PA. (operating costs 27% with three staff)

With 24/7 hatchery production, of other species, the gross would increase by approximately 50%.

Nice...

So invest in real aquaculture, build your dream home in the high lands or on the water front. Come and enjoy Littabella Inlet, the life style of fishing and surfing, every day with a secure income.

The Farm will be established under community title. Sensible, comfortable and social.

With Coral Reef just offshore and a creek full of Barramundi and Mangrove Jack, well decide for yourself.

Whiting, A Breakthrough in Aquafarming Potential:

(Aquafarmer Australia Privately Funded Research)

Whiting, A Prawn Farming Alternative

In all published aquafarming, there has never been a species which ticks so many boxes for direct commercial application to aquatic farming.

Whiting has a consistently high Australian demand and considerable markets exist through the Indo-Pacific Region.

Without doubt, Whiting is an overlooked culture species for aquafarming. Indeed, our initial culture trials point to Whiting as being an extremely competitive option for coastal prawn farming in Queensland and New South Wales, possibly extending into Victoria.

In Queensland the species used are commonly referred to as, the Winter Whiting and the Summer Whiting. Aquafarmer is proud to freely publish its initial research findings carried out, on both species, at Coral Coast Mariculture.

UPDATE July 2012



(18 months old and 3 to the kilogram, 8 tonne to the Ha. Nice!)

Whiting Breeding Research



(Sand Whiting Sillago ciliata July 2012)

High Fecundity (all year round breeding)

High Disease Resistance

High Farm Value (\$12 to \$15 Restaurant, \$28 Japan Export)

High Demand (100% of Australians Eat Whiting...Sliver Perch are restricted to Asian Demand and farmed freshwater Barra are very ordinary in flavour)

Uniform Growth Rate

Extremely Interesting FCR

Established Breeding Protocol (*K J Gordon*)

Broodstock management provides successful breeding 'All-Year-Round'

Commercial Aquafarming is quite possible from Northern Queensland down into Victoria

Harvesting 'All-Year-Round'

Simple Hatchery Requirements

Established Pond Culture Techniques

Continual Harvesting - No Seasonal Urgencies related to prawn harvesting

No Apparent Off-Flavour Issues

No Processing Required - Can be, iced and boxed as whole fish or value added for export

Very High Commercial Growth Rate ... (From larvae to 350mm or 150grams in 12 months stocked at 150,000 per 4 hectare pond, unfed with no added zooplankton technology. An astounding result, indeed an unheard-off result in aquafarming. Even absurd farm mismanagement can be profitable.)

Lastly, and if you have farmed any fish species you will appreciate this, cormorants find them very difficult to catch.



(Aquafarmer bred these fish in November 2010. It is an Australian First for unfunded aquafarming research. The most important point here is the high quality of the liver)



Initial Whiting Trials

Last November (November 2010) Aquafarmer completed research and trials into commercial protocol procedures for the breeding of Whiting as a food source for Coral Trout Culture. Aquafarmer has shown Whiting can be bred and nursery cultured 'all year round'.

Whiting were researched in search of a suitably sustainable feed source, as part of the [Coral Trout](#) work being privately undertaken by Aquafarmer. The commercial breeding protocol for Whiting was successfully completed. Interestingly, the results of the follow up trials discovered something exciting.

Both larvae and fingerlings, from the hatchery trials, were transferred into 4 hectare ponds for trial growout. In total, 1.3 million larvae were bred and successfully transferred to ponds during a 3 week period. Prior to that aquafarmer researched the technique for approximately 6 weeks. Hatchery management, broodstock, live feed production and spawning were carried out by Kel Gordon. Broodstock were wild caught by two local fisher people, James and his lovely wife Linda. A special thanks for their conscious and considerable efforts.

In total, 150 broodstock were used, several of which were spawned more than once during the trials. In total the first 5 spawnings were unsuccessful. The next 4 recorded 100% fertilisation. Both species were successfully spawned. And there are several unique and interesting traits which identify the two species during early larval stages. These will remain private information as they greatly assist with successful transfer from hatchery to pond culture. Successful transfer is an important key in the culture.

Both species can be bred separately, or together with no apparent hybrid production. A point of extreme personal interest, for it's hidden potential.

The results are just being confirmed and are quite staggering.

For Example: Pond No 5

Pond 8 is 4 hectares in surface area. It was stocked with 150,000, 3 week old larvae in late September 2010. Water depth was 0.5 meters. Any available fertilisers were added to try to maintain colour in the water. No technical expertise was applied. No aeration was used during the entire trial. Water temperature varied from 15 to 27 degrees C.

In August 2011 the average size of the fish was found to be 320mm and weighing approximately 150 grams. Anecdotal evidence of bird activity and personal observations indicated significant survival. Information supplied by staff at Coral Coast Mariculture.

Assuming a 50% survival, $75,000 \times 0.150 / 1000 = 11.25$ tonne.

Imagine the results if the crop had been managed.

Indeed projections indicate approximately 11 tonne per hectare is easily achievable.

At \$12/kg farm gate = **\$123,000 AUD/Ha**

or

\$4,670,000 / year / 38 Ha Farm

UPDATE JUNE 2012

Survival unknown

Size is averaging 300 grams

Aquafarmer Australia Pty Ltd

Summary



Kel Gordon

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Proposed Whiting and Coral Trout Farming Venture

Whiting: A Prawn Farming Alternative

LOCAL NEWS

WATER WORLD: Kal Gordon with a beaker full of whiting eggs. PHOTO: MIKE SMITH/REPORTER365

Whiting breeding going swimmingly

MOVING to Bundaberg to retire was meant to be the chance to relax and take a break from an extensive aquaculture career that had taken one man all over the world.

But undertaking some private consultation work at Coral Coast Mariculture's fish farm, 50km north of Bundaberg, Kal Gordon has had a potentially game-changing breakthrough, opening and cultivating the ever-popular whiting (*Sillago analis*).

Mr Gordon believes his success could convince many more to farm the fish variety, helping to revive those in the struggling prawn industry.

"It's taken 18 months to two years but it's been very successful," he said.

"We've had a 90% fertilisation rate, much higher than we would normally see in the types of fish bred."

Mr Gordon said the benefits of whiting were wide and varied and included every-

thing from a lack of disease issues to their ability to evade capture from local wild fish.

"Whiting are very hard for crocodiles to catch," he said.

"Crocodiles can eat up to 10% of other crops."

"That's a huge tick for whiting production."

Mr Gordon said with whiting production rising more than 10% last year, it was an extremely competitive alternative for Queensland and New South Wales prawn farmers.

"Whiting eat everything so they clean their own tanks," he said.

"There aren't the disease issues prawn farmers see," Mr Gordon said the prawn products were ideal for the restaurant markets and they were selling far cheaper than the wild variety.

"We've started to sell to a few local restaurants," he said.

"Wild whiting sell for about \$1 to \$4 per kilogram. We're selling ours for about \$11 a kilo."

Mr Gordon said whiting also had a uniform growth rate which meant there was little variation in size.

With a stock density of 3-10 tonnes a hectare, Mr Gordon said one hectare of water could produce about \$100,000.

"On a 20-hectare farm you could be looking at \$2 million every 12 months."

WHY WHITING

- Uniform growth rate
- High farm value, about \$11 a kilogram
- Breeding all year round
- Harvesting all year round
- High disease resistance
- Hard for crocodiles to catch
- High quality
- High demand



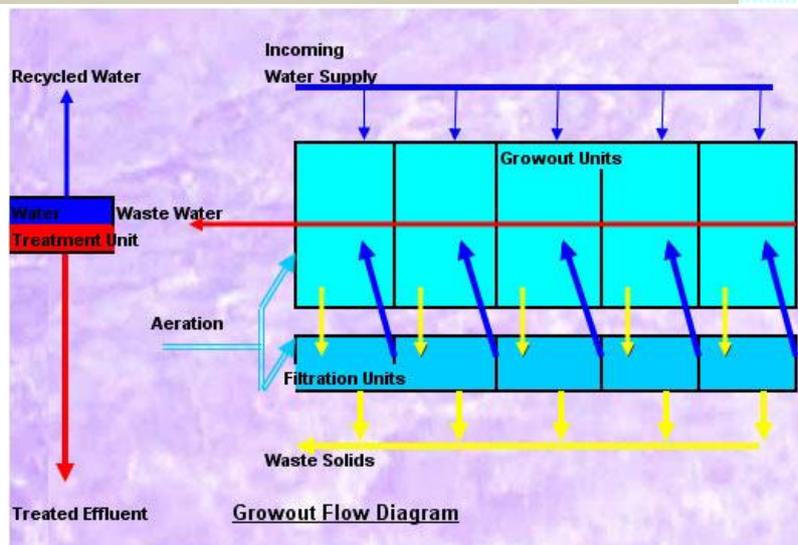
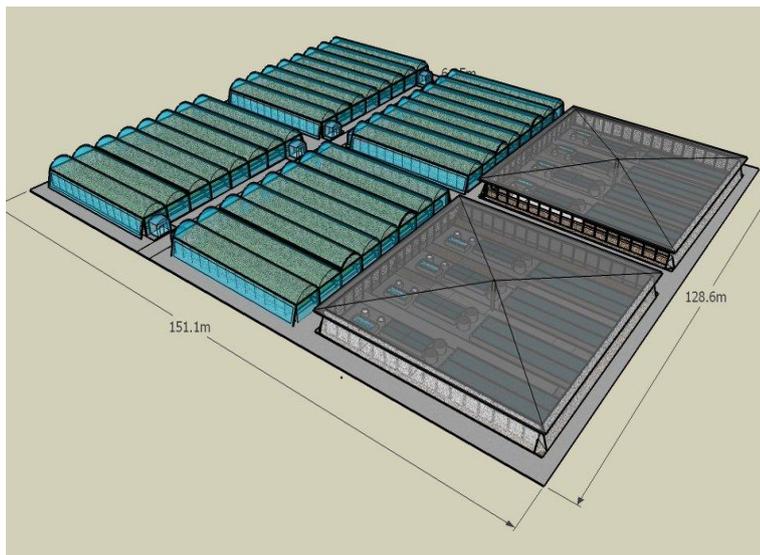
Prodigious Organic Diffusion RAS

POD RAS © K J Gordon

POD RAS

POD RAS Aquafarming

POD RAS DESIGN



"The POD" (applied to coral trout RAS aquafarming)

(A Commercial Aquafarming & Aquaponics RAS System that works)



Aquafarmer in Summary



Telemetry Based Aquaculture

AquaSense Makes Good Sense

Making Financial Investment in Profitable Aquaculture.....





Aquafarming In the Future

Hi. Welcome to my new book REGRAV. I find writing an extremely rewarding experience except when a flood carries away your research. This labour of science fiction love survived and I am very proud to offer it up today. It is 'rich on many levels' and revolves around change, in attitudes, in energy supply, in space travel and finally in the way humans treat humans, mostly. And there is also some future aquaculture on Mars and the dusty old Moon. So buy a personally signed copy in paperback from the old grey author. K J Gordon. Oh, Regrav is a term first used by Nicola Tesla to describe anti-gravity and basically, that is what the book ponders. A world with free energy.



[Kel Gordon's](#)

Aquafarming Coral in Fiji (K J Gordon)





[Goldfish Aquafarmer](#) *Buy The Protocol: How To Create Your Own Farm*



[Exciting Aquafarming Developments](#)

[Silver Perch Spawning Protocol](#)

[Recirculating Aquaculture System Design: POD RAS](#)

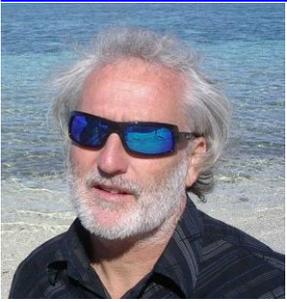
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Soft Shell Crab Culture



Fish Farming



Silver Perch Fish Farming



[Silver Perch RAS Aquaculture](#)



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Aquafarmer Australia

introducing the

Vortex Generator Aerator/Injector

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Injection Aeration for Aquafarming



Click above to check out Part I on YouTube

This is an amazing gadget based on a 1908 TESLA design. In aquafarming this device is not actually an aeration device. It is more akin to an oxygen injection device. The vortex generator has the efficiency to create enough vortex force inside a bucket of water to be able to lift the bucket off the ground.



Vortex Aeration at 300 RPM and 0.4 Watt



The same speed and power in a salt water pond

Aquafarmer's VGen Aeration is faster with almost instantaneous saturations levels. As you can see the power requirements are far less than any other form of aeration.

We can supply complete farm systems or individual units to suit any application with single phase, three phase and adaptations for solar and automatic switching. One vortex generator can aerate a one Ha pond for less than three kilowatts. Yes the VGen system is off the scale in efficiency.

So contact Aquafarmer Australia today



Vortex Generator Aeration II Aquafarming Applications

Click Above to Check Out Part II on YouTube

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Thank You for Your Thoughts in Reply

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