

Site

**RajivGandhi Centre forAquaculture
Seabass Hatchery**

Sirkali,
Tamil Nadu

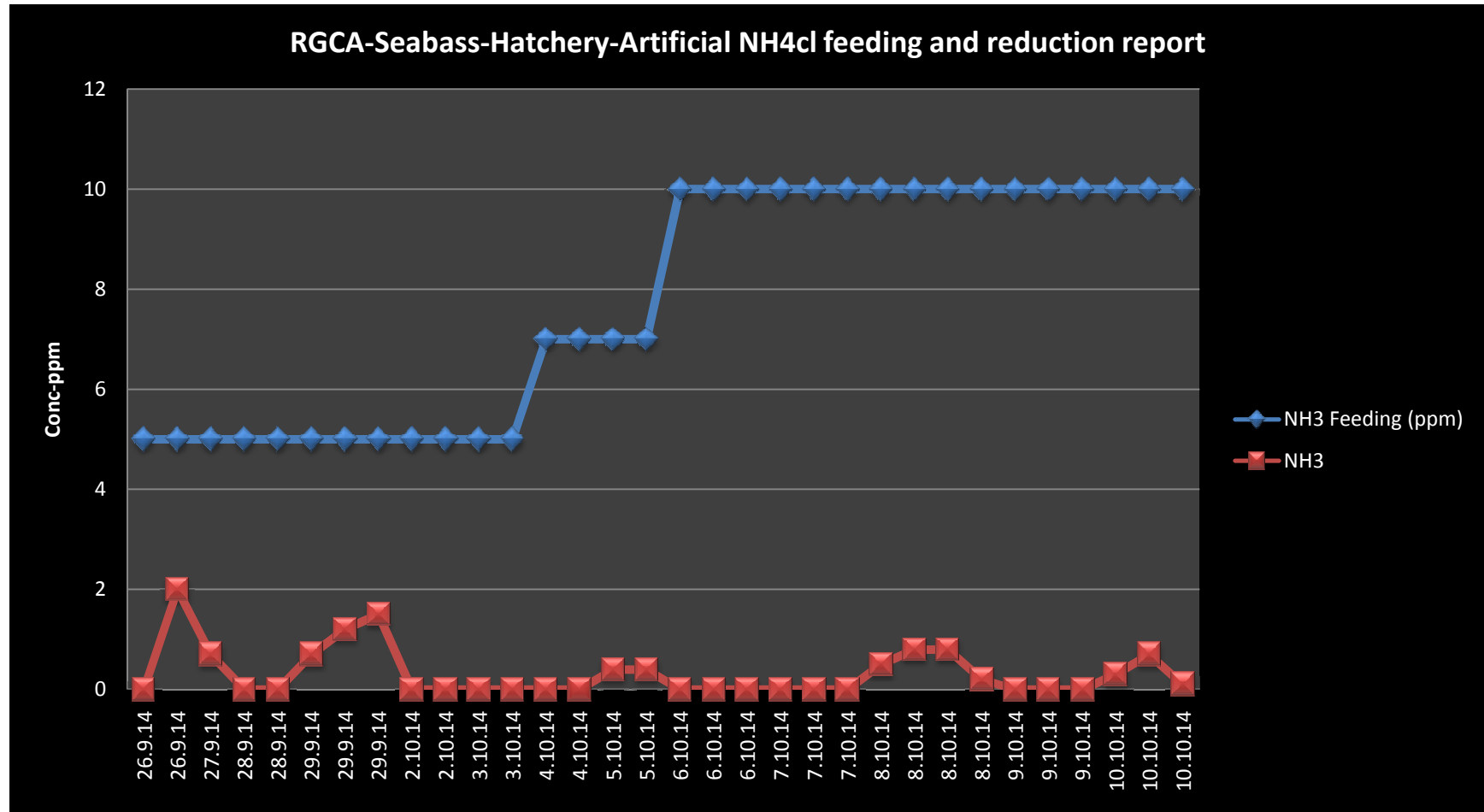
Fingerling section view



TESTING BY ADDITION OF NH_4Cl

- Water recirculated and Ammonium chloride added (5 to 10 ppm) in 4 FRP tanks.
- Ammonium chloride fed for 14 days
- Flow rate gradually increased to 35LPM.
- The residual concentration of NH_3 is reduced to zero indicating a complete conversion of Ammonia

Artificial NH₄Cl addition to FRP tanks and reduction after 24 hours

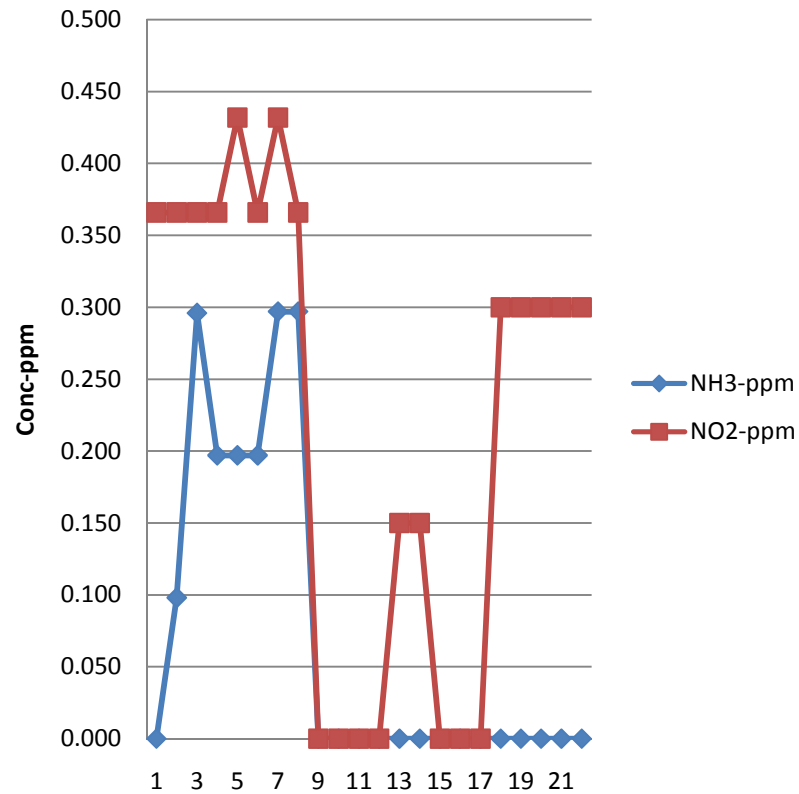


Stocking density

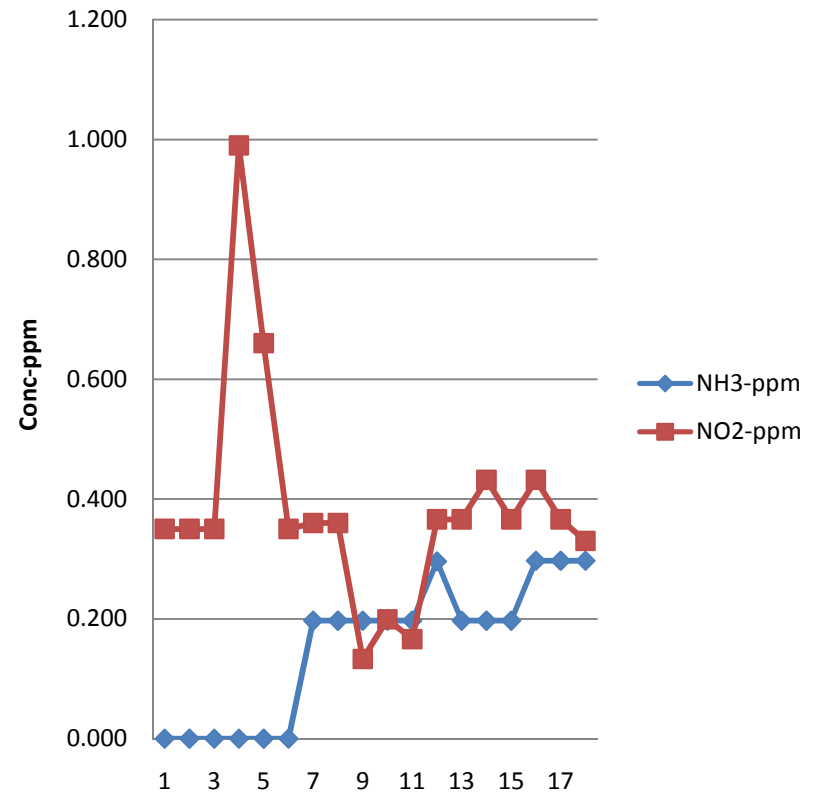
- Fishes stocked Around 7kg's (530 animals) as Initial Biomass in 8 ton water tank (FT3)
- Detrodigest (water probiotic) added once in every 5 days
- Gradually Tanks also increased

Water quality parameter Oct and Nov 14

RGCA-SeaBass Fingerling tank FT3-Water
Quality parameter-Oct 14



RGCA-SeaBass fingerling tank FT3 -water
quality parameter report-Nov 14



Fish wt gain (kg)

Summary

Section-Fingerling section

- Tank No-FT3
- Water vol-8000L

Recirculation started on 14.10.14

- Initial animal wt-7kg
- No of Animals-530
- Feeding-5% of B.W

Result (after 1 month on 11.11.14)

- Animal wt -22 kg
- Animal No-530No's
- Individual animal wt-43g
- Individual animal length-10cm
- Survival-100%
- Current Feeding -8% of B.W

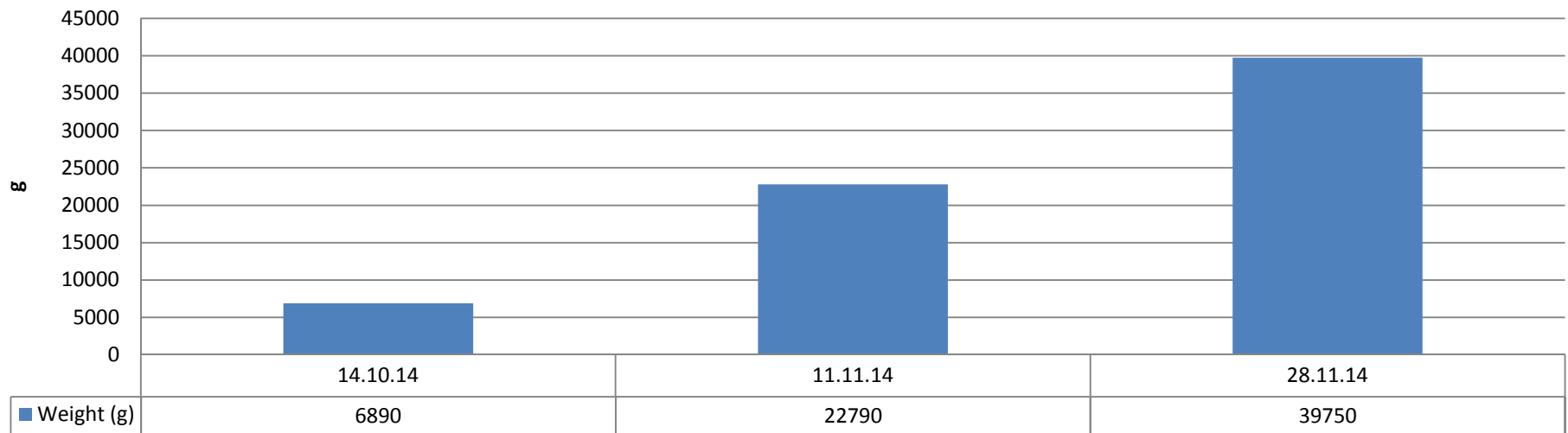
Source: Animal weight details furnished by RGCA Staff



Animal Growth

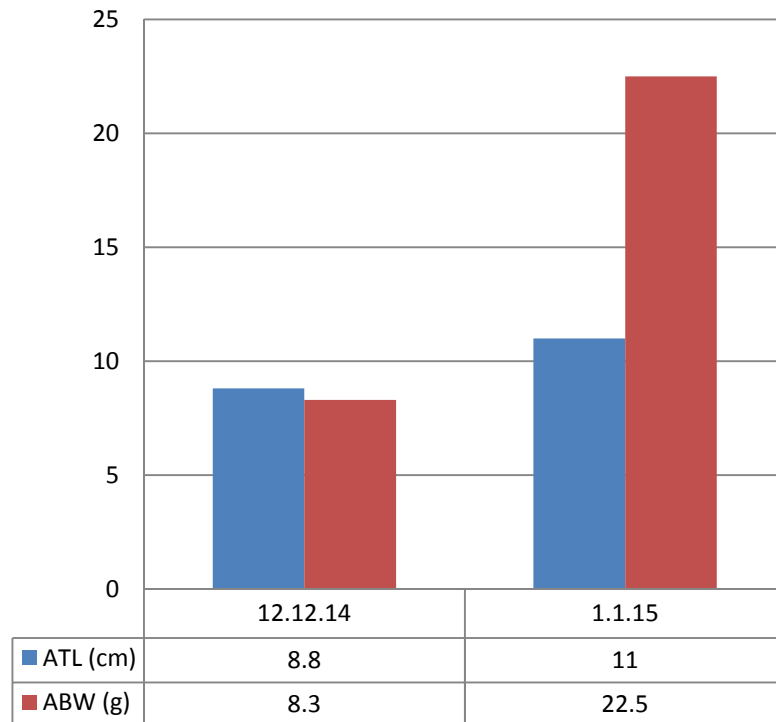
No of days under PBBR-RAS-74 days					
Date	tank no	A.B.W (g)	No of seabass	Weight (g)	total wt gain (g)
14.10.14	3	13	530	6890	15900
11.11.14	3	43	530	22790	
28.11.14	3	75	530	39750	16960

RGCA-Seabass hatchery fingerling Total Animal Biomass(g)



Animal Growth FT1 (12.12.14 to 1.1.15)

RGCA-Seabass-Fingerling section
FT1-Animal Growth details
(12.12.14)

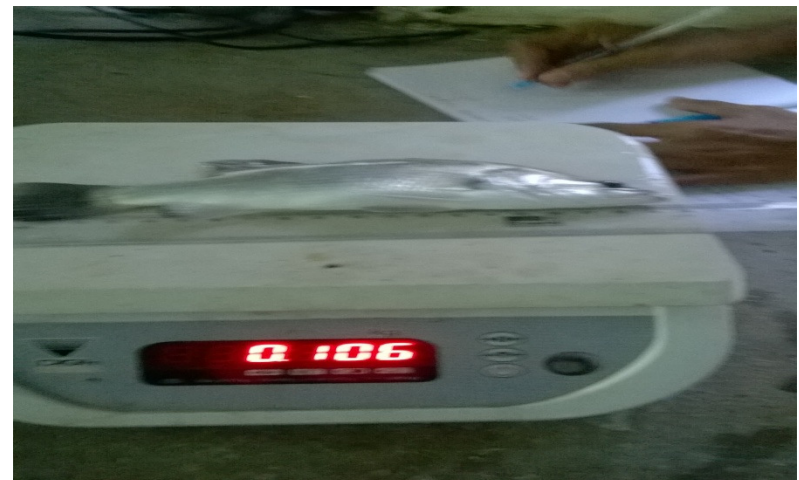
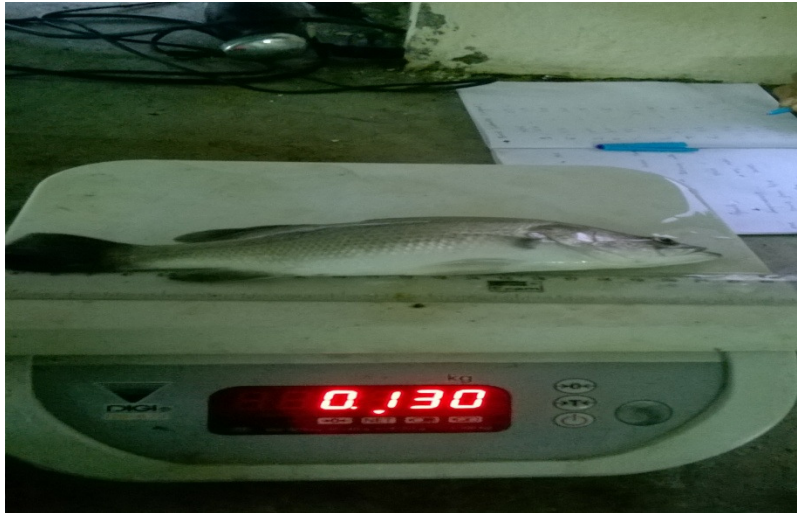


- Growth parameter (1.1.15)
- Tank Name-FT1
- Animal No-910
- Avg Total Length-11.43cm
- Avg Total Weight-22.5g
- Total Biomass- 20.47 kg
- Feeding ratio-8% of B.W
- Feed usage-1.6kg/day
- Sinking feed used
- Connected to RAS-PBBR on 12.12.14

Animal Growth –FT1 (1.1.15)

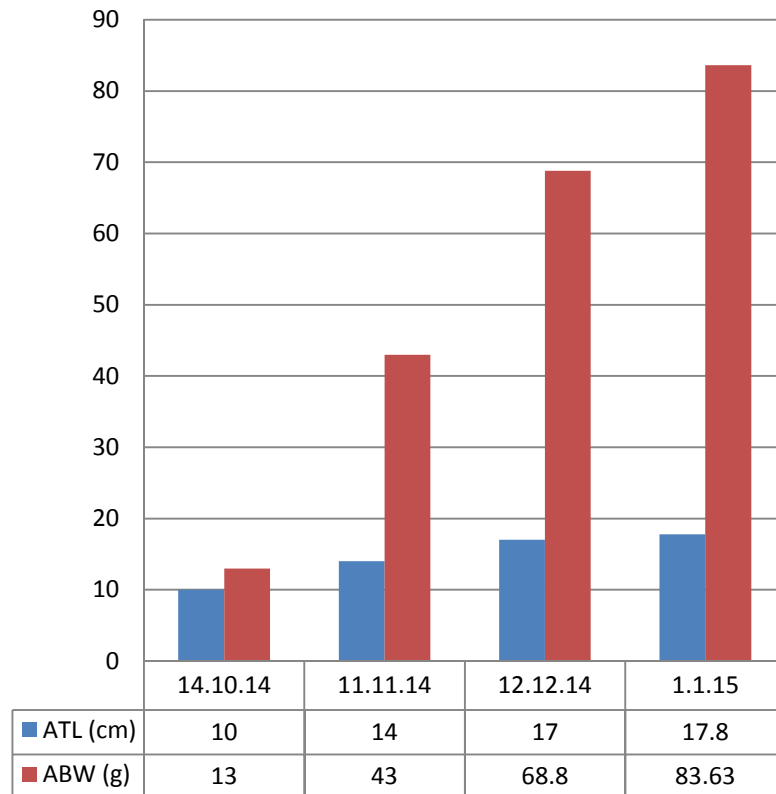


Animal growth-FT2(1.1.15)



Animal Growth FT2 (14.10.14 to 1.1.15)

**RGCA-Seabass-Fingerling section FT
2-Animal Growth**



- Growth parameter (31.12.14)
- Tank Name-FT2
- Animal No-528
- Avg Total Length-17.86cm
- Avg Total Weight-83.63g
- Total Biomass-44.15kg
- Feeding ratio-3.5 % of B.W
- Feed usage-1.6kg
- Sinking feed used
- Connected to RAS-PBBR on 12.12.14
- Days under RAS-78days