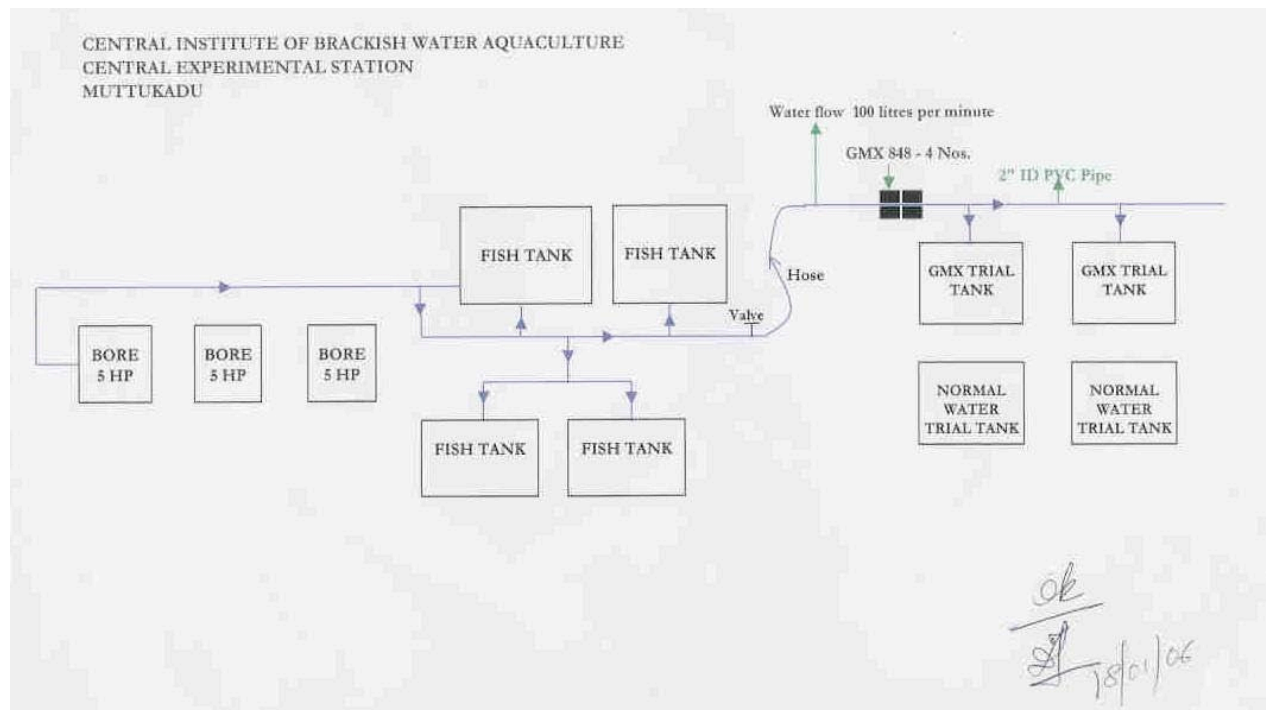


G.M.X IN FISHERIES

Report of Central Institute of
Brackish Water Aquaculture



4 NOS GMX MODEL 848 UNITS INSTALLED ON 2 NOS TRIAL TANKS.



CENTRAL INSTITUTE OF BRACKISH WATER AQUACULTURE
COMPARISON OF GROWTH OF FISH - 15 DAYS AFTER FIXING GMX

Breed : Sea Bass (Lates Calcarifer)
 Age of fish : 3 months
 Present food : Boiled minced fish meat.
 No. of fish per tank : 10 Nos.

Average size of fish

	1 st Day	15 th Day	Rate of growth
Control Group – Regular Water	7.98	8.49	6.50%
GMX – Magnetized water	8.18	8.73	6.80%

Average weight of fish

	1 st Day	15 th Day	Rate of growth
Control Group – Regular Water	6.92	7.83	13.25%
GMX – Magnetized water	6.4	8.71	36.15%

CONTROL GROUP - REGULAR WATER

Type of Breed: Sea Bass (Lates Calcarifer) Age of Fish: 3 months Present food: Boiled minced fish meat No. of fish per tank: 10

S.No.	Starting Day 30.01.06		15th Day 14.02.06		30th Day 1.03.06		45th Day 15.03.06		60th Day 31.03.06		75th Day 15.04.06		90th Day 30.04.06	
	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)
1	9.0	9.0	9.00	11.50										
2	7.4	5.6	9.00	8.60										
3	7.7	7.2	7.50	5.50										
4	7.5	6.6	8.00	6.40										
5	8.5	8.4	8.20	8.10										
6	7.7	5.9	9.00	9.70										
7	8.6	8.5	8.00	5.80										
8	7.7	5.9	9.20	7.90										
9	7.7	5.0	9.00	8.90										
10	8.0	7.1	8.00	5.90										
Average	7.98	6.92	8.49	7.83										

Hatchery technology for Sea Bass

Feeding Schedule:

- First 3 days - no feed
- 3 - 8 days - Rotifer
- 9 - 15 days - Rotifer + Artemia Nauplii
- 16 - 25 days - Artemia Nauplii
- After 25 days - Boiled minced fish meat.

Breeding season: May to November.

CONTROL GROUP - REGULAR WATER

Type of Breed: Sea Bass

Age of Fish: 3 months

Present food: Boiled minced fish meat

No. of fish per tank: 10

(Lates Calcarifer)

S.No.	Starting Day 30.01.06		15th Day 14.02.06		30th Day 1.03.06		45th Day 15.03.06		60th Day 31.03.06		75th Day 15.04.06		90th Day 30.04.06	
	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)
1	9.0	9.0	9.00	11.50										
2	7.4	5.6	9.00	8.60										
3	7.7	7.2	7.50	5.50										
4	7.5	6.6	8.00	6.40										
5	8.5	8.4	8.20	8.10										
6	7.7	5.9	9.00	9.70										
7	8.6	8.5	8.00	5.80										
8	7.7	5.9	9.20	7.90										
9	7.7	5.0	9.00	8.90										
10	8.0	7.1	8.00	5.90										
Average	7.98	6.92	8.49	7.83										

Hatchery technology for Sea Bass

Feeding Schedule:

First 3 days - no feed

3 - 8 days - Rotifer

9 - 15 days - Rotifer + Artemia Nauplii

16 - 25 days - Artemia Nauplii

After 25 days - Boiled minced fish meat.

Breeding season: May to November.

TRIAL GROUP - GMX MAGNETIZED WATER

Type of Breed: Sea Bass

Age of Fish: 3 months

Present food: Boiled minced fish meat

No. of fish per tank: 10

(Lates Calcarifer)

S.No.	Starting Day 30.01.06		15th Day 14.02.06		30th Day 1.03.06		45th Day 15.03.06		60th Day 31.03.06		75th Day 15.04.06		90th Day 30.04.06	
	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)	Size (in cm)	Weight (in gms)
1	7.2	4.8	9.50	9.10										
2	8.2	6.3	7.50	5.40										
3	8.0	6.5	8.50	7.00										
4	9.0	8.5	8.50	8.30										
5	8.0	6.4	8.80	8.40										
6	8.3	6.4	8.50	8.00										
7	8.9	7.0	9.00	8.80										
8	7.5	5.2	9.50	10.80										
9	8.5	6.6	8.50	10.50										
10	8.2	6.3	9.00	10.80										
Average	8.18	6.4	8.73	8.71										

Hatchery technology for Sea Bass

Feeding Schedule:

First 3 days - no feed

3 - 8 days - Rotifer

9 - 15 days - Rotifer + Artemia Nauplii

16 - 25 days - Artemia Nauplii

After 25 days - Boiled minced fish meat.

Breeding season: May to November.