

SOCORRO-CLAVERON-VELARDE (SCV) FISH EGGS ARTIFICIAL INCUBATOR FOR INTENSIVE TILAPIA HATCHERY SYSTEM

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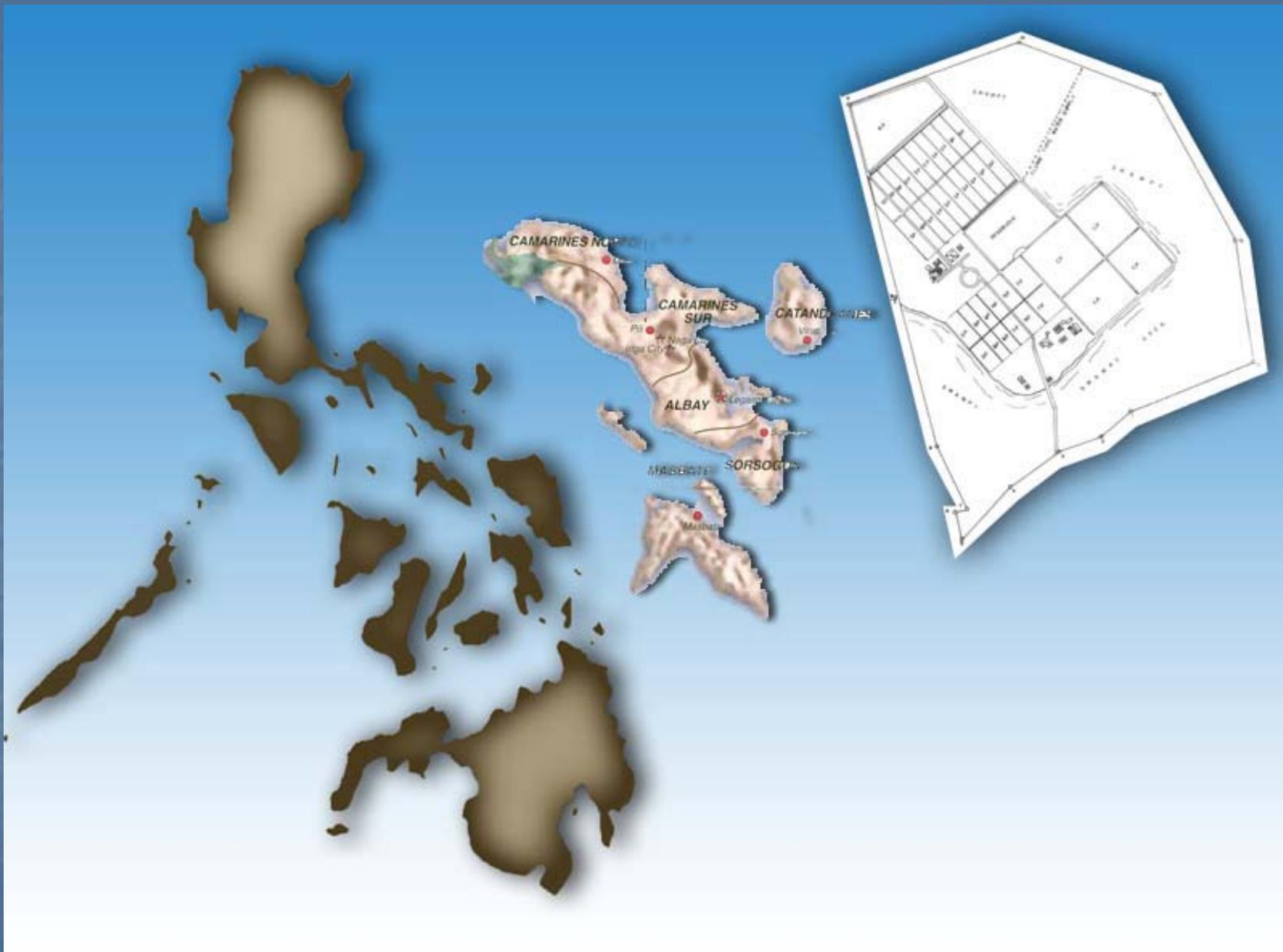
Why Introduce the SCV for intensive tilapia hatchery system

- There is an undeniable problems caused by direct breeding method in the pond like poor quality fingerling produced, irregular size fingerlings, cannibalism, etc.
- A corrective measure is important to address the above problems towards a better alternative in incubation system
- The SCV-AI is one alternative in fish egg incubation system

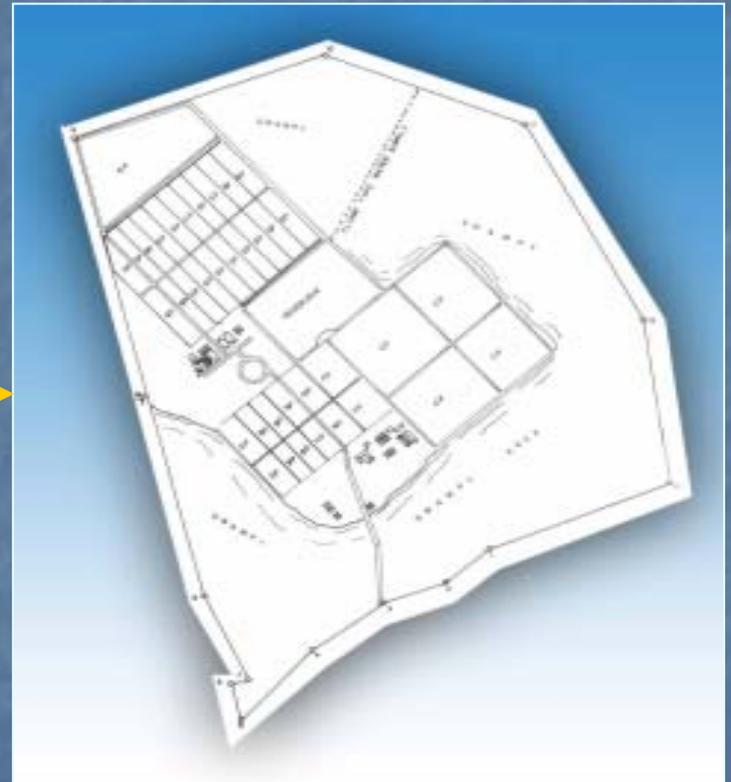
HISTORY

DESCRIPTION

ADVANTAGES



THE RFFC



THE BICOL REGION

Regional Freshwater Fisheries Center



Administrative and Training Building of RFFC

HISTORY *Early Artificial Incubator Designs*



Hatching Tray,
30cm x 50cm

HISTORY *Early Artificial Incubator Designs*



Concrete-Tiled Hatching Trough,
5.0m x 1.0 x 0.2m

COMPONENTS

A. Conditioning Tanks, 10 units



B. Breeding Tanks, 12 units



C. SCV Artificial Fish Eggs Incubator

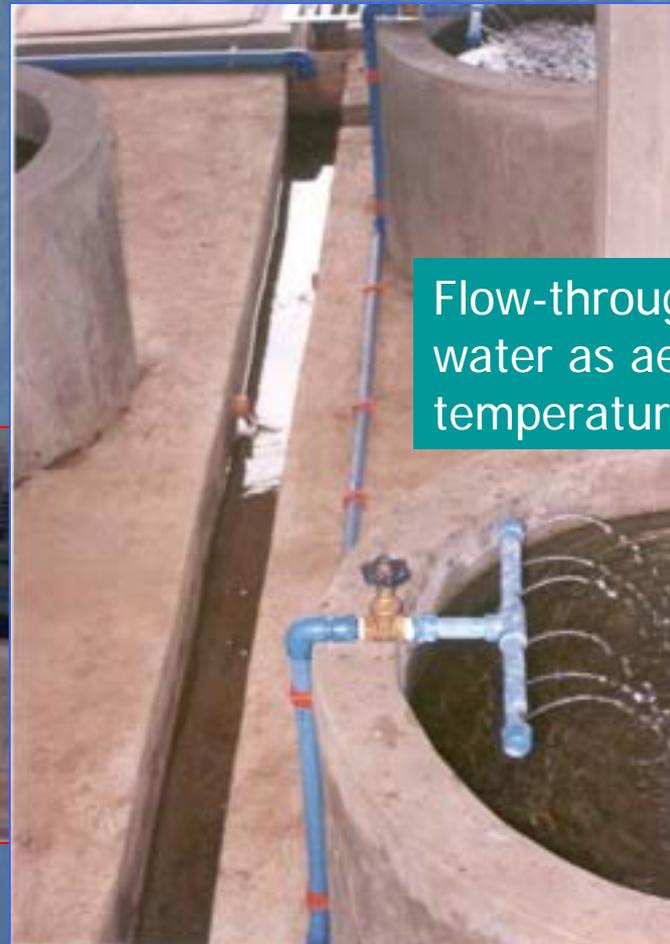


D. 20-unit Hatching Trough and 4-unit Fry Trough



E. Concrete Treatment Tanks, 9 Units

0.4 m³ capacity



Flow-through sprinkling water as aerator and temperature regulator

F. Elevated Water Tank , 900L capacity



Aeration component of pump is aerated as it is squirted going to the tank

HOW IT WORKS

Egg Collection



Ready to Spawn



Egg Collection on
the 10th day

HOW IT WORKS

Egg Collection



Releasing of eggs
in a basin of water



Forcibly opening the
mouth of female breeder
to release the fry/sac
fry/eggs

HOW IT WORKS

Incubation



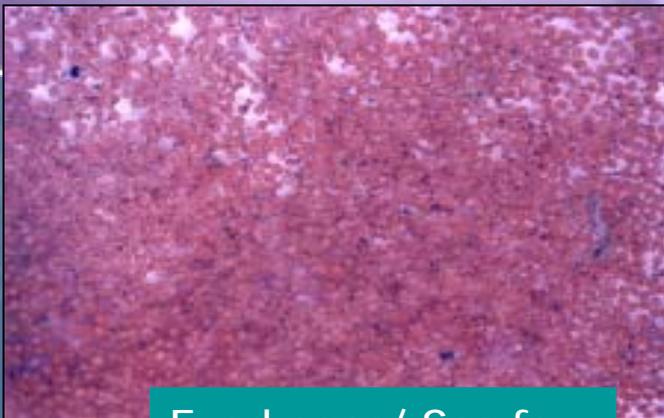
Egg Stocking

HOW IT WORKS

Stocking



Stocking in Hatching Trough
according to stage of development

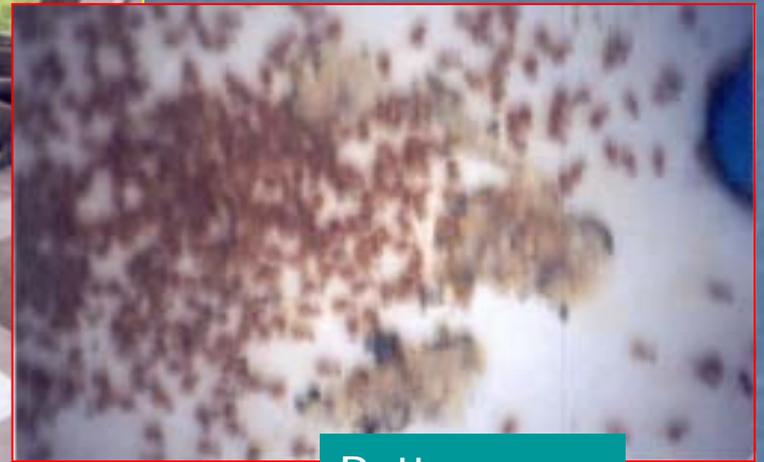


HOW IT WORKS

Monitoring



Siphoning out



Rotten eggs

HOW IT WORKS

Harvesting



Swim-up fry

Fry spontaneously go with the outgoing water and are released down the Fry Trough via the overflow pipe.



Table 1. Cost and Return Analysis.

ITEM	UNIT PRICE		SALES (pcs.)	SALES PER RETURN (per run, P)	MONTHLY (3 run/mo.)	ANNUAL (9mos.)
<i>Sales</i>	P	0.05	608,000	P 30,400.00	P 91,200.00	P 820,000.00
<i>Variable Cost</i>						
<i>Feeds</i>				409.00	1,227.00	11.04
<i>Electricity</i>				2,866.00	8,598.00	77,382.00
<i>Salary</i>				-	6,000.00	72,000.00
<i>Supplies and Materials</i>				6,430.00	19,350.00	174,150.00
<i>Miscellaneous</i>				972.50	3,522.55	42,270.00
<i>Depreciation</i>					163.10	1,957.20
<i>Total cost</i>				10,697.50	38,860.65	378,802.20
<i>Net Profit</i>				19,702.50	87,339.35	441,997.80
<i>Income Tax (25%/NP)</i>				4,925.63	21,834.84	110,499.45
<i>Net Income after tax</i>				14,777.00	65,504.50	331,498.35
<i>ROI (Net income/proj cost)</i>				1.38	1.69	0.87

THANK YOU VERY MUCH