

#### POND SIZE

- Pond Size is important, small ponds under 1000mtrs square surface area produce small yabbies, if you want big yabbies you need big ponds. Ponds over 5000m² are too big and unmanageable for semi intensive farming.
- You need ponds that are gravity drainable and large ponds just take too long to drain and effectively harvest any yabbies left in the pond. Drainable ponds are a must to effectively control yabby populations and predators.

## **SHALLOW**

- Yabbies only use floor space, not a water column so shallow is good.
- Yabbies are cold blooded animals, the warmer the water the faster their metabolism goes and the faster they grow. Shallow water heats rapidly in the sun.
- Shallow water does not stratify (reducing oxygen at the bottom).
- 600mm is the minimum depth or predation from birds is a serious concern.
- 900mm the preffered depth

#### **TURBID**

- Essential to have silts/clays in suspension to give you turbid water.
- Turbid water blocks sunlight penetration into the water column reducing algal populations and water quality fluctuations.
- Sunlight impacts on clay particles in suspension which heats your water.
- Yabbies feed during the day in turbid water so grow fast. In clear water hide during day and feed only at night.
- Harvesting can be done during the day in turbid water. In clear water only at night as yabbies will hide during the day.

# TURBID (continued)

- Burrowing is essential in clear water for yabbies to hide, in turbid water not required.
- Harder for predators to find yabbies in turbid water.
- Only high densities of yabbies will be achieved in turbid water. In clear water yabbies can see each other and one raises a claw then the other raises a claw and a fight will break out. This aggression is contagious and the whole population becomes aggressive and cannibalistic. In turbid water the density of yabbies can increase 10 fold if food is available as the yabbies can not see each other and must feel each other up with their antenna. Once they have felt each other up they are good mates and get along just fine.

#### CONSTANT WATER LEVEL

- It is essential that little variation in water levels occur in yabby ponds.
- Yabbies are creatures that have evolved in Australia which has extremes in climate. In the wild if water levels drop then yabbies start burrowing. In your ponds if water levels start to drop the yabbies will burrow. You do not want them wasting energy digging holes you want them sitting around growing large and fat.

## WATER QUALITY

- Good water quality means healthy happy yabbies.
- Good water quality means hungry fast growing yabbies. If the water quality is not good yabbies stop feeding and become susceptible to stress and pathogens.

#### **FOOD**

- No food no growth.
- In the wild when food becomes short, the large yabbies start eating the small yabbies and the population will be reduced to match the food supply.
- Pond bottom needs to be covered with a layer of old hay prior to flooding with water. This hay is the main food source for yabbies.
- Supplemental food in the form of pellets are required to be feed 6 days per week at a rate of 0.5% biomass/day.

## **SHELTER**

- The more shelter the more yabbies you can have.
- Yabbies are climbing animals and will climb structures up into the water column.
- Caution needs to be taken with the type of shelter used

#### **PREDATORS**

- Protection from predation is important.
  Cormorants, water rats, eels and fish are all major predators.
- Bird netting or protectionis essential.
- Netting to keep the yabbies in the pond is essential.

### POND PREPARATION

- ADD HAY AT RATE MAX 150 BALES/Ha
- ADD LIME
- ADD WATER

## STOCKING

- STOCK WITH YABBIES AT 5gram MIN and 30gram MAX SIZE
- STOCK WITH YABBIES ALL CLOSE TO SAME SIZE
- STOCK AT RATE OF 2/m²

#### FEEDING

- HAY IN POND IS BASE FOOD SOURCE
- ADD EXTRA BALE EACH MONTH
- ADD PELLETS AT 0.5% (half of one %)
  BIOMASS/DAY 6 DAYS/WEEK

## **GROWTH**

- 20 GRAM to 100gram in 4 − 5 MONTHS
- MALES GROW FASTER THAN FEMALES
- SINGLE SEX PONDS ARE GOOD IF POSSIBLE



#### PRODUCTION RETURNS

- 2 CROPS/YEAR
- MORTALITY OF INITIAL STOCK 10 –
  30%
- AT 30% MORTALITY & 2 CROPS = 2500Kgs/Ha/year

## For all the information

## Buy "THE COMMERCIAL YABBY FARMER"

CHAPTER	1	INTRODUCTION	11
	Aquaculture		12
	The Yabby		15
CHAPTER	2	GENERAL YARBY BIOLOGY	19
	Handling		19
	General Ide	otification	21
	Anatomy at		22
	Moulting		30
	Growth		34
	Breeding		36
	Barrowing.		42
CHAPTER		SITE SELECTION	44
200000000000000000000000000000000000000		Aquaculture	48
CHAPTER		YABBY HATCHERIES	51
	fleat.	THE THE CHESTER	52
	Air		52
	Light		53
	Water		53
	Yabbica		54
	Food and No	etition	55
	Small Tank Hatcheries		56
	Sill Water Hatcheries		37
	Large Scale		66
CHAPTER		SEMI-INTENSIVE YABBY FARMING	63
		FARM DESIGN	40
	Background		63
	Pond Design		64
	Impervious clay		65
	Pond size		
	Pond depth		66
	Pond depth Pand bottom		67
	Pond tides		67
	Pond valls		67
			66.
	Turbidity Drainable		69
			71:
	Acration Shelter		74
			76
	Overflows		90
	Perimeter foace		8.1
	Back up water supply		83.
	Excess Water (Effluent Pond)		84
	Bind Protection		85.
8			

	Pond Stocking		
	Fond Ster		98
CHAPTER		FIDEDING	100
CHAPTER		HARVESTING	100
	Draining		133
CHAPTER	9	POND STOCKING/RESTOCKING	113
	Numery B	Ireeding Ponds	110
	Broodstock Selection		
	Selective Breeding Programs		
	Hybrids-		121
	Cherus Se	rimus	121
	Single Ser	. Ponds	124
CHAPTER	10	PRODUCTION RETURNS	121
CHAPTER	11	POND MANAGEMENT	129
	Water Quality and Health Management		
	Temperate	ure .	129
	Disselved	Oxygen	- 136
	160	210000	121
		Nitropes	133
	Salinity		134
	Photosynt	bosis	135
		Sulphido/Substrate	139
CHAPTER		PREDATORS	139
2000	Penchers.		131
	Aquatic P		136
	Insect Lar		141
	Eels	557.6	140
	Mosquito	Fish	143
		emirants)	141
	Waling B		150
	Kingfishe		157
	Ducks and		133
	Earles an		150
	Water Rat		153
	Turtles		155
	Others		156
CHAPTER		DEATH AND DISEASE	157
CHAPTER		all Flushing/Bacteria-	157
	Disease		163
	Thelohani		163
	C. FRANCISCO I	Plague Aphanomyces astaci	16

		1000	
	Holding Ca	ges	172
	Spray Roon	ns .	174
	Holding Tar	rika	176
CHAPTER	16	RECIRCULATION SYSTEMS	180
CHAPTER	17	PACKAGING	194
CHAPTER	18	MARKETING	198
CHAPTER	19	FOOD SAFETY	204
CHAPTER	200	COOKING	209
	Recipes	CONTROL CONTROL	210
CHAPTER		COMMERCIAL AQUA OF THE YABB	
		Construction of a Commercial Farm	220
		lodel for a Commercial Farm	222
CHAPTER		FREQUENTLY ASKED QUESTIONS	228
1000	Yabbies	THE QUESTICA SOMED QUESTIONS	228
	Fish		234
CHAPTER	-	THE AUTHOR	237
A. CHARLES	Conclusion	THE AUTHOR	238
CHAPTER		PARTICIPATION OF THE PARTICIPA	-
CHAPTER		DEFINITIONS	239
	Notes		256
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atics NOTES (three may be helpful later on in the 1000 microns = 1 millimetre (mm) 1000 mm = 1 metre (mtr) 1 hectare = 10,000 square metres (m<sup>2</sup>) 1 hectare = 2.471 acrus 1 cubic metre = 1,000 litres (litrs) 1,000 litres = 1 beane 1000 millimeros = 1 litre 1,000,000 litres = 1 megalitre (ML) 1,000 grams = 1 kilogram (kg) 1,000 kg = 1 tome