



This activity book has been written for young Victorians who have an interest in fish and other animals that are found in freshwater, estuarine and marine environments. It aims to provide readers with information about their unique qualities, habitats and life cycles in a fun and engaging way, and stresses the importance of looking after the environment.

This activity book has been produced by Fishcare Victoria. Fishcare is operated by volunteers as members of incorporated community groups across Victoria – from Warrnambool in the West to Mallacoota in the East. The fundamental aim of the Fishcare program is to promote sustainable fishing practices and care for aquatic environments to anglers and the wider public. This is achieved through a wide variety of methods and programs including fishing clinics for various target groups, school programs, displays at local festivals and expos, community forums and workshops, and the production of educational resources. Find out more about Fishcare at **www.fishcare.org.au**

Contents

Page

1
2
3
4
5
6
7
8
9
10
11
12



Acknowledgements

Illustrations: Jon Phillips

Graphic Design and Artwork: Jennifer Hyland and Jake Thompson (Students of Gordon Institute of TAFE, Geelong, Victoria).

© 2005 Fishcare Victoria. Updated June 2016.

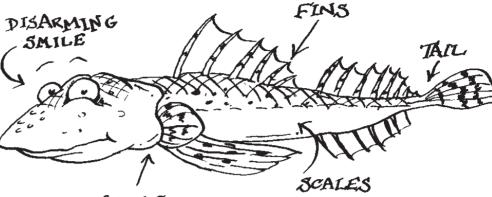
This work is copyright. Apart from any use as permitted under the Copyright Act 1998, no part may be reproduced by any process without prior written permission from Fishcare Victoria. Inquiries or comments regarding this activity book can be made through the Fishcare website: **www.fishcare.org.au**



All About Our Fish

What Is A Fish?

Fish are vertebrates like us humans, which means they have a backbone, but unlike us they are cold blooded. Fish have gills, fins and scales to help them live underwater. The gills are used for breathing, fins help them move around and scales protect their bodies.



GILLS

How many different types of fish can you think of? What do they look like? Do they have big fins, funny shaped heads or long tails?

> Did you know that there are more than 24,000 species of fish in the world! Fish can be found in lots of different shapes and sizes.

Some are flat, like Flat Ed, that live on the bottom with eyes on the top of their heads and others are shaped like torpedoes to help them swim fast,

like a salmon. Some have big round crushing teeth like bream, to crush coral and others have sharp teeth to tear their food, like sharks. Some fish even have no teeth.

Where Can Fish Live?

Over millions of years fish have learned to live in all kinds of underwater environments. To ensure fish can survive they have learnt to adapt to different homes called habitats.

They can live in freshwater like rivers, lakes and dams and in saltwater like the sea. Some types of fish can live in freezing water and other types in hot springs.

Freshwater fish can live in mountain rivers up to 5km above sea level and deep sea fish can swim down to 11km deep in the open ocean.



someone make sure you don't leave any litter or tackle behind. Hooks, tangled line and plastic bags can all be a danger to fish, seabirds and other marine life.

Where Are They From?

What fish live in the water next to where you live?

Are they native fish or introduced fish?

Native fish have adapted to our Australian environment over thousands of years and learned to survive in our own unpredictable climate of drought and flood.

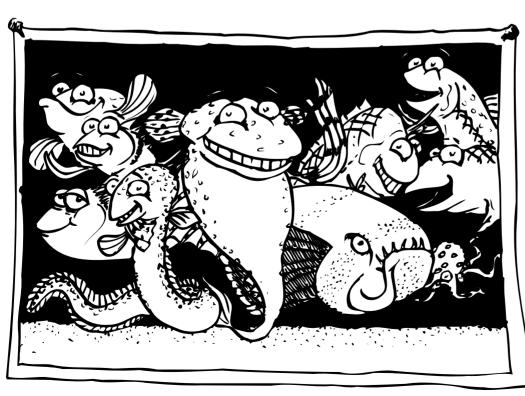
Introduced fish have been brought to Australia from other countries by people, like trout from Europe and North America or carp from Asia. These fish have found the



Australian environment suitable to live in. Some introduced fish are popular with anglers but others are pests and can have damaging effects on our rivers and native fish habitats.

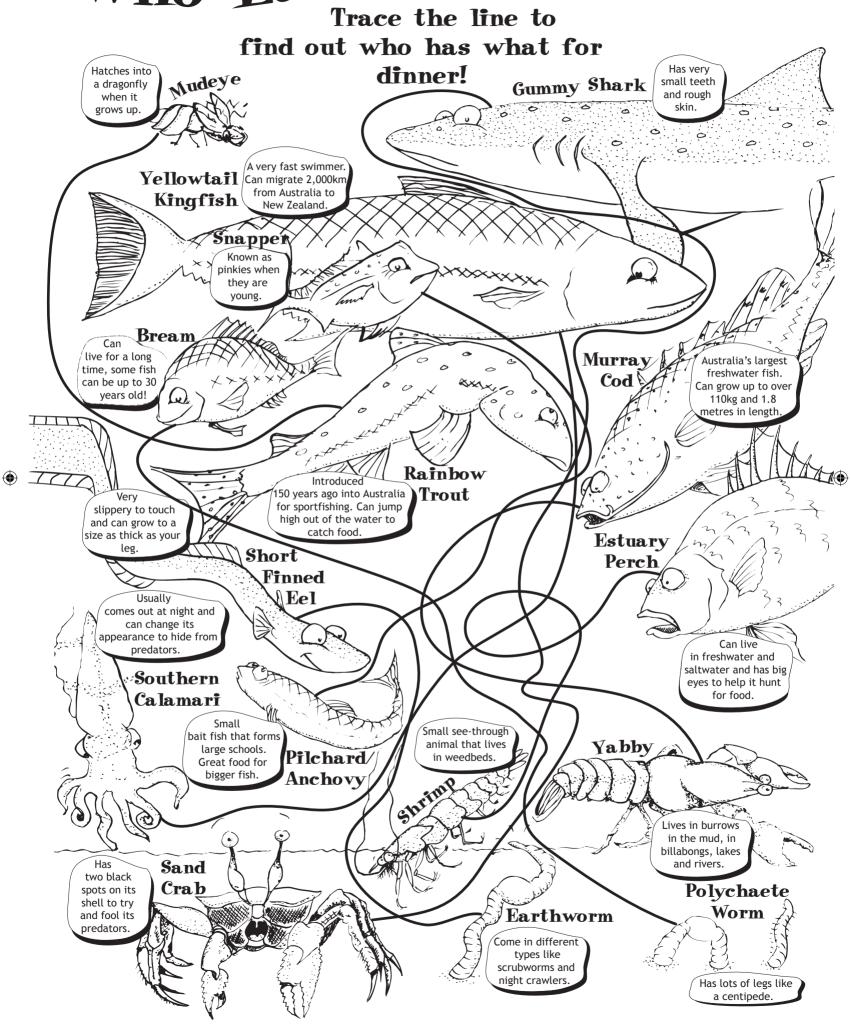


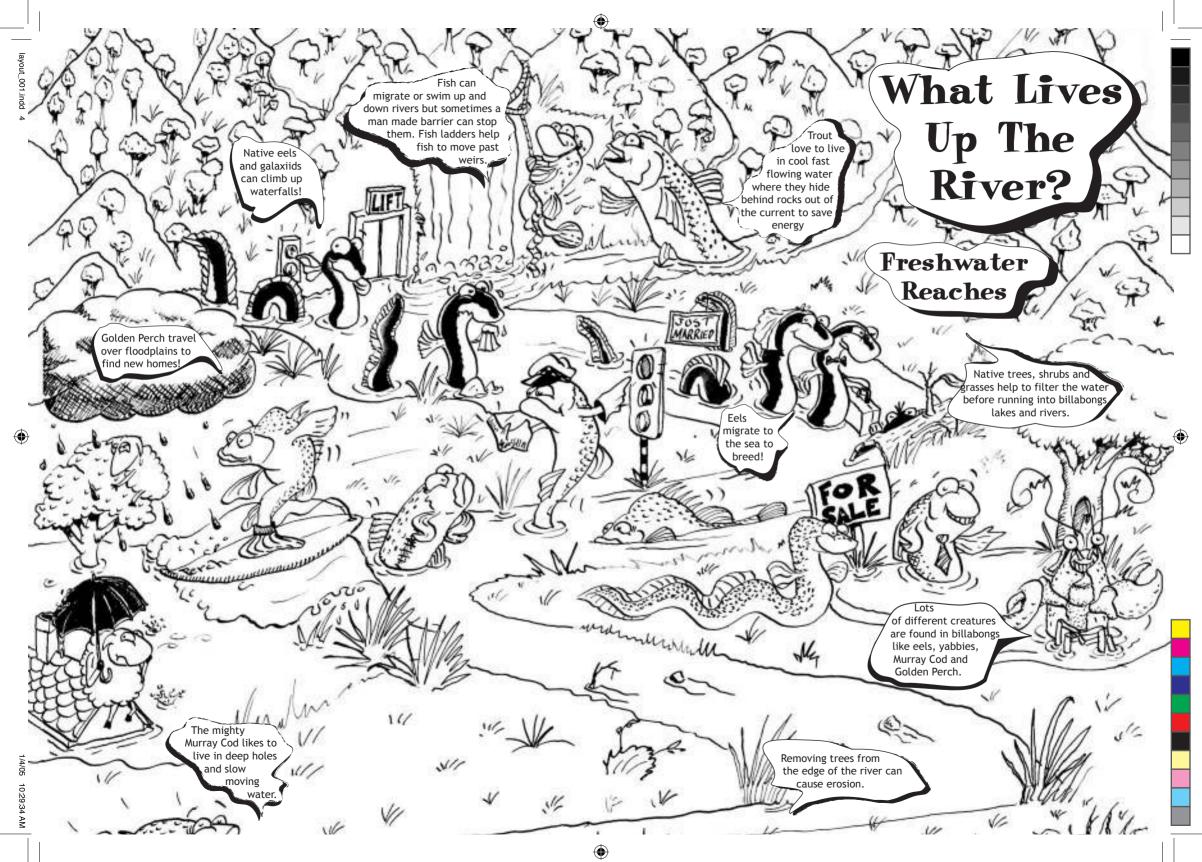
Flat Ed's Friends

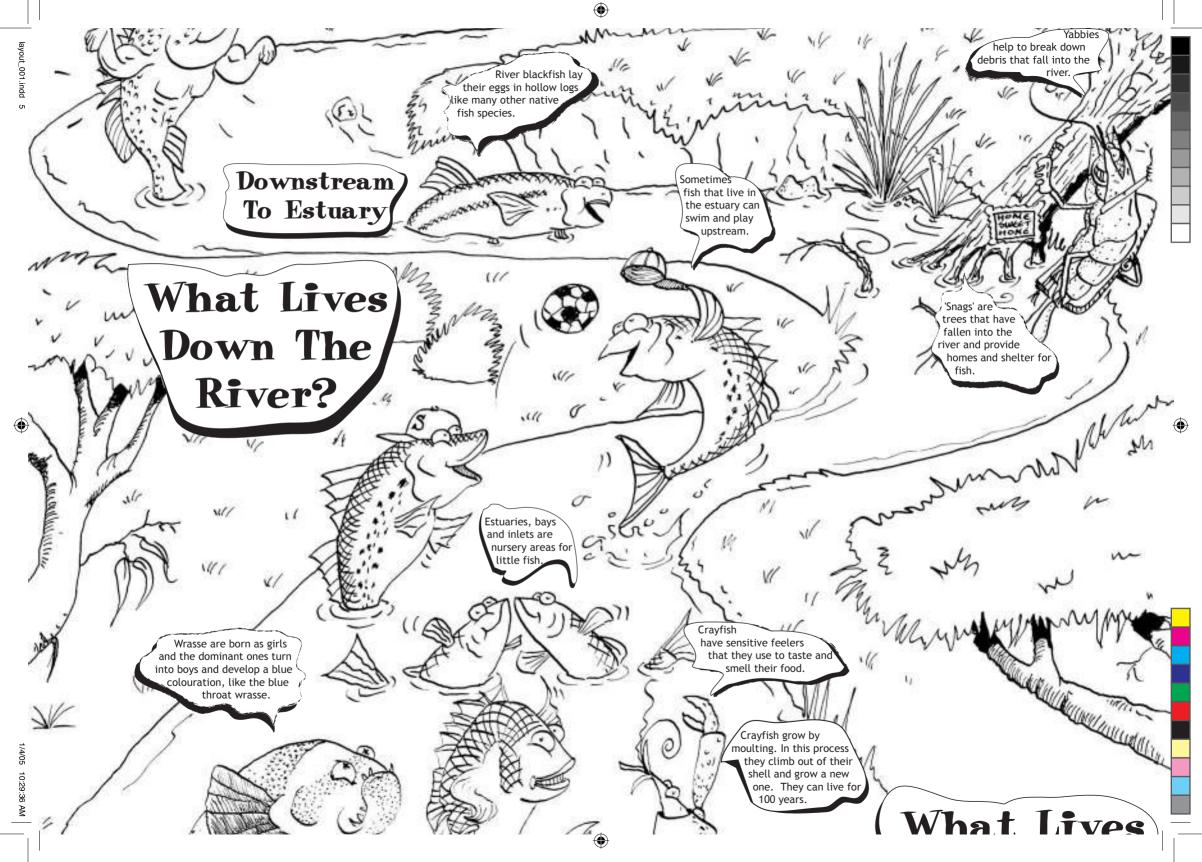


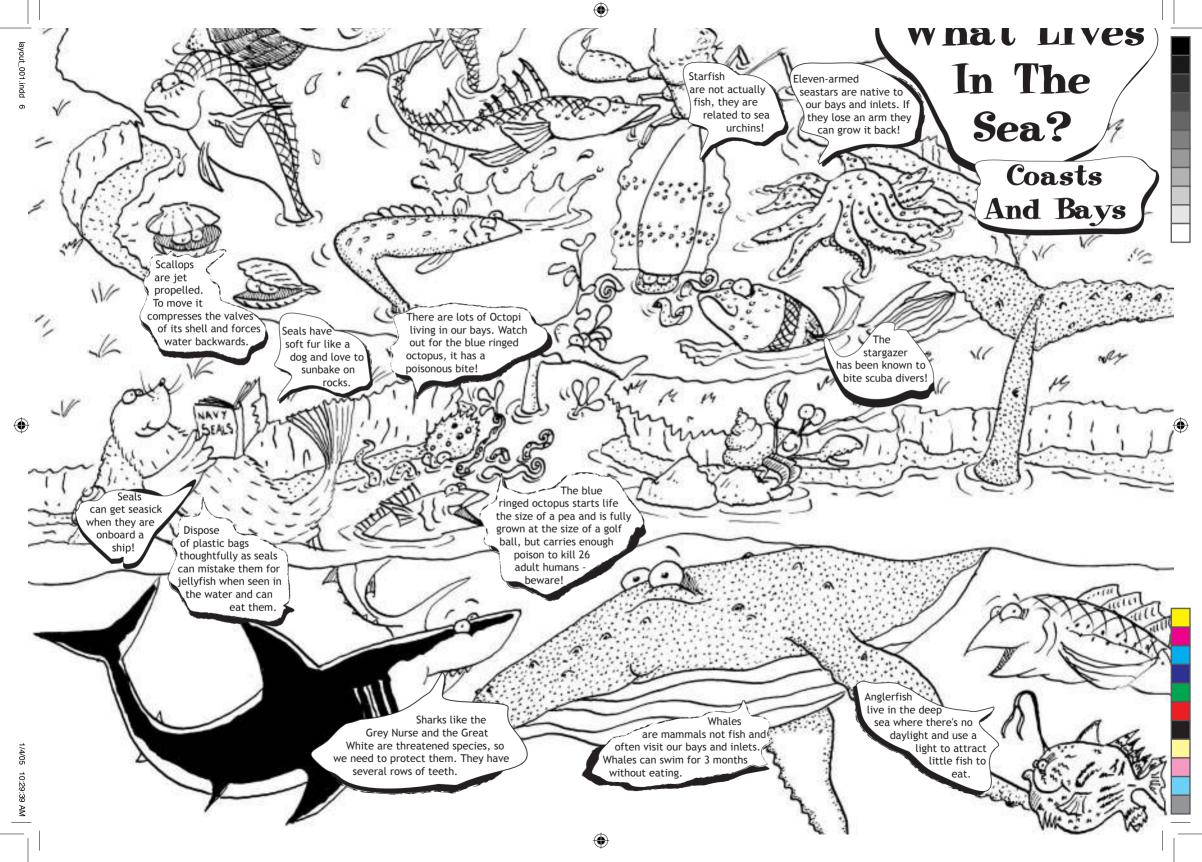
Your backyard is an ecosystem with lots of different types of creatures living together. Flat Ed also has lots of creatures living in his backyard! These are not all fish. Some of the creatures that can be found are molluscs (snails, abalone, pippis, scallops, mussels, squid and oysters), crustaceans (yabbies, crayfish, shrimp, prawns and crabs) and other bugs and critters.

Who Eats Who?









Word Search

XALAGFLOUNDER

IHECML

YIEBOO

F Y A R C H N D A R M U A

SHFKANP

SRTMS

LHSIFRATSLATIERE

D I U O S E M O L L U S C H E S M TDPENOLABANUTPWHO UKERRSEYEDUMPLAAR

O C R D A I S E I B B A Y O E R A

RACOSWNALYNRSDSKB T B H C L O N G R S A E B O G Y A

WPLYFLATEDEVRKAAR

O M E A P R A C D D C I E S R R R

BULRCAFTFEORAAFG

T

I



Galaxiid

Humpback

Garfish

Murray Cod

Flat Ed

Barracouta

Shark

Cra.bs

Lakes Mudeyes

Rainbow Trout Carp

Flounder

Remora

Kingfish

Salmon

Ocean Perch

NHARRKTS

ASWMFOR

RUKINGF

IWHUATFENS

LEATHERJACKETLCES

Stingray Whale

Crayfish Prawn

Seaweed

Blackfish

Tuna

Bream Snapper Dolphin

Leather Jacket

Yabbies

Blue Ringed **Eels** Octopus

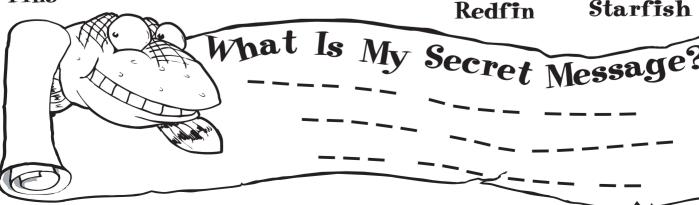
Squid

River

Mollusc Fins

Abalone

Starfish



Flat Ed's Trivia

What is the largest fish that lives in the Ocean?

- a) Whale shark
- b) Marlin
- c) Tuna

Do fish
sleep with
their eyes closed?
a) Only at night

- b) Only when they are really tired
- c) No, they have no eyelids

You have just caught a fish, it is undersize, and the hook is deep in the fish's stomach. What is the best thing to do?

- a) Try to remove the hook and throw it in the water
- b) Keep the fish
- c) Pick the fish up using a damp cloth, cut the fishing line outside the mouth and quickly release the fish

3.

How old can sea turtles live for?

a) Less than 50 years

- b) Over 100 years
- b) Over 100 years
 - c) Nearly 500 years

What is a juvenile snapper called?
a) Pinky
b) Big Mouth

5.

Some types of fish are protected by:
a) Size limits

c) Bluey

b) Bag limits

c) Both

6.

Rubbish and Pollutants....

- a) Can damage a fish's scales, slime and gills
- b) Cannot do any damage to a fish
- c) Can provide a place for them to hide

When checking to see if a fish is big enough to keep, how should it be measured?

a) From tip of the nose to the end of the tail

- b) From the tip of the nose to the start of the tail
- c) From the gills to the end of the tail

9.

When at the beach, what do you do with your rubbish?

- a) Bury it in the sand so no one can see it
- b) Put it in the water so it will drift away
 - c) Take it home with you

You have caught four fish which is enough to feed your family for dinner, do you...

- a) Try to catch heaps more to feed the cat
- b) Stop fishing and go home for a nice dinner
 - c) Keep fishing until your fish bin is full

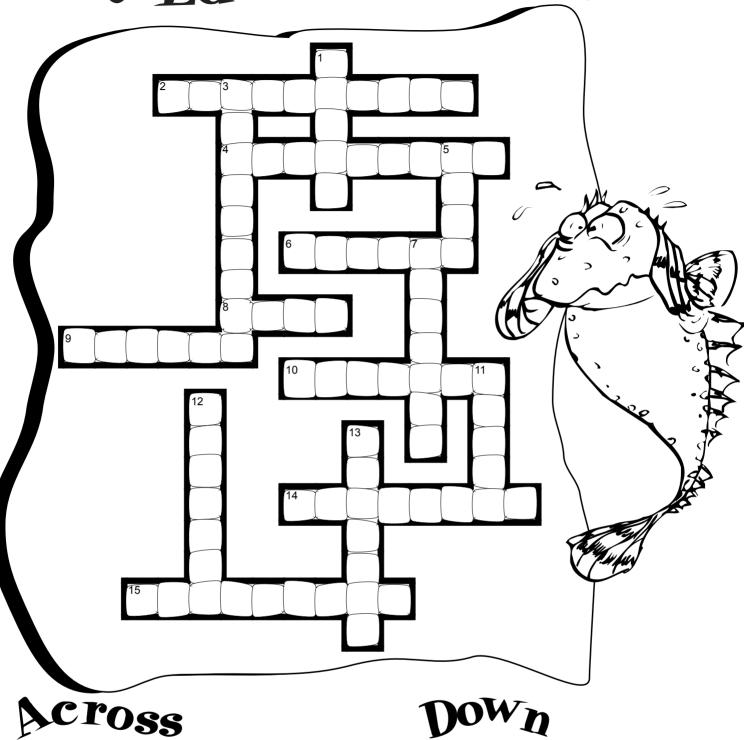




(







- Lives in the deep sea
 Nuseries for little fish
- 6. Can swim for three months without eating
- 8. A mammal with soft fur
- 9. Fish that can change from female to male
- 10. Found in billabongs
- 14. Can grow a new shell
- 15. Lives in deep holes

- 1. Likes to live in cool fast flowing water
- 3. A threatened species of shark
- 5. Migrate out to the sea to breed
- 7. Can be caused by removing trees near the water
- 11. Provide homes and shelter for fish
- 12. Can grow an arm back if they lose it
- 13. Jet propelled shellfish

Don't panic Flat Ed.

It's not a recipe, it's another cool puzzle with a secret message!

LEHWA	
CERHP	
NHIWGIT	

LPCALOS SPRHMI URTOT RLTEUT

NLOSMA

AREMB

FBAKHILCS RHAFGIS PASPNRE RHAKS

GIFHIKSN





Flat Ed's Fishcare Tip No.3 If you catch a fish that is

too small to keep (or you do not want to

keep) release it back into the water as quickly as you can. Handling the fish as little as possible and cutting the line rather than trying to get the hook out will improve its chances of survival.

Sand Crab

7.



Page 3. Who Eats Who?

Yellowtail Kingfish eats the Southern Calamari.

Bream eats the Polychaete Worm.

Snapper eats the Pilchard/Anchovy.

Murray Cod eats the Yabby.

Rainbow Trout eats the Mudeye.

Estuary Perch eats the Shrimp.

Short Finned Eel eats the Earthworm.

Gummy Shark eats the Sand Crab.

Page 7. Word Search

Flat Ed's Secret Message is....

Flat Ed says look after the waters for you and me!

^A|N|^G|L|E|R|F|I|S|H R 0 UARI Ε ST S Ε Y Τ Ε Ν U S R R S EAL 0 WRASSE S 10 Y A B B E | 11 S ŝ Ν 0 ³S Ν Ε Α C Α G "C R A Y F I SH S Τ L "M|U|R|R|A|Y|C O D

Page 10. Flat Ed's Crossword

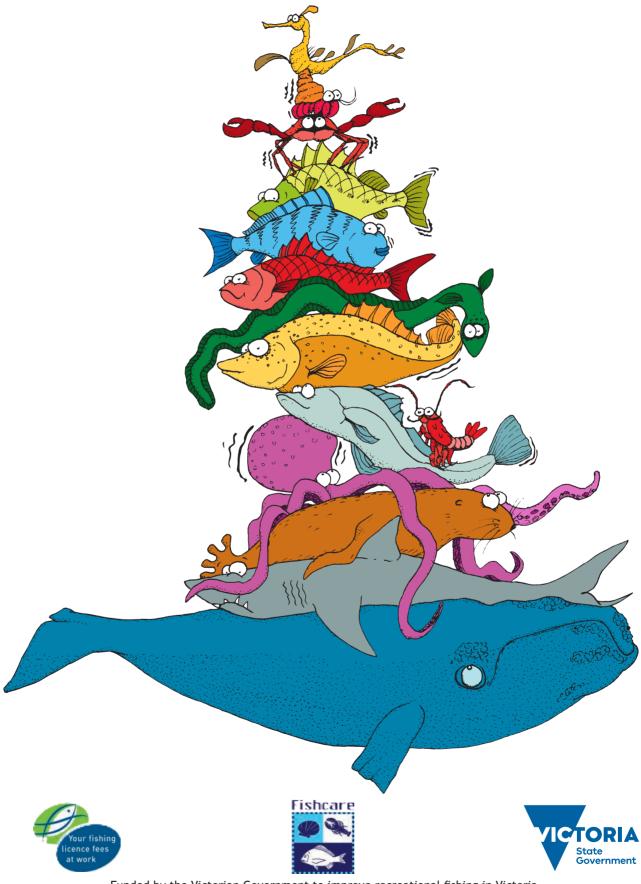
Page 8. Flat Ed's Trivia

- 1. a Whale shark It's not a whale, it's a fish and grows to 30 metres.
- 2. c No, they have no eyelids.
- 3. c Pick the fish up using a damp cloth, cut the fishing line outside the mouth and release the fish.
- 4. b Over 100 years
- 5. a Pinky
- 6. c both
- 7. a Can damage a fish's scales, slime and gills.
- 8. a From the tip of the nose to the end of the tail.
- 9. c Take it home with you.
- 10. b Stop fishing and go home for a nice dinner.

Page 11. Scrambled Fish

- WHA L E
 - P E RCH
- WHI T ING
- SCA L LOP
- SHR I MP
 - T ROUT
- TUR T LE
 - SA L MON
 - BR E AM
- BLACK F ISH
- GARF I SH
 - **S** NAPPER
 - S **H** ARK
 - KIN G FISH
 - OCT O PUS

It's a delicate balance... Be careful what you remove



Funded by the Victorian Government to improve recreational fishing in Victoria through revenue from Recreational Fishing Licences