

WATER SAFETY

Education and activity book



Tēnā koutou katoa – Hello all

During the summer months lots of people come to the Bay of Plenty to enjoy the beautiful waters of our lakes, rivers and beaches.

So this activity book is to remind everyone to keep safe in, on, under or around the water.

He aha te mea nui o te Ao?

He tangata! He tangata! He tangata!

What is the most important thing in the world?

It is people! It is people! It is people!

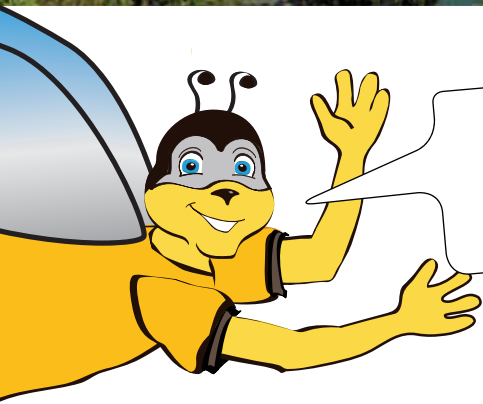
INSIDE:

- Lifejackets
- Boating Safety
- Competition
- win a lifejacket
- Fun Activities

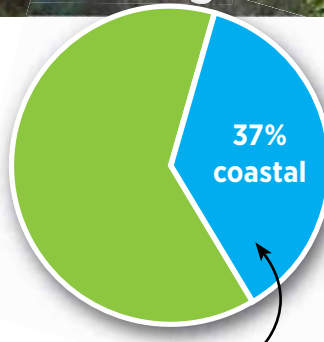


We are very lucky in the Bay of Plenty to live so close to many lakes, rivers, harbours, estuaries and beaches.

Water in the Bay of Plenty



The Māori name for The Bay of Plenty is "Te Moana-a-Toi" (the sea of Toi)



About 37 percent of the Bay of Plenty region is coastal.

The total length of the coastline of the Bay of Plenty is 688 kilometres.

That's about the distance from Auckland to Wellington!

This is made up of 259 kilometres of open coast and 369 kilometres of estuaries.



That's lots of water to play with!

Make sure adults are watching kids in all this water!

Bodies of water – Can you match the words to their meanings?

- | | |
|-------------------|---|
| 1. River | A. Safe sheltered place for boats to stop. |
| 2. Estuary | B. The wide part of a river where it meets the sea and salt and fresh water mix. |
| 3. Harbour | C. Big area of water with land all around it. |
| 4. Ocean | D. Large natural stream of water flowing in a channel to the sea, a lake, or another river. |
| 5. Lake | E. The water that covers most of the earth. |

Mixed up rivers

These are our eight major rivers - can you unscramble them?

WRAAIO

W _ _ _ _ _

KINTAUA

K _ _ _ _ _

TAAWRREA

T _ _ _ _ _

RAĀNGITKII

R _ _ _ _ _

WEHKAATNĀ

W _ _ _ _ _

WKIOEAA

W _ _ _ _ _

ŌMTŪ

M _ _ _ _

RKŌURKAOE

R _ _ _ _ _

Watery fun

Now we are in the hot months we like to get out and cool down doing lots of different things with water.

BuzzBOP has been brainstorming all the fun activities that you can do in/on/under the water and has hidden them in the word find, can you think of any other activities that he missed?



G	A	G	N	I	T	A	S	Q	I	Y	H	G	G	B
E	N	N	S	N	O	R	K	E	L	L	I	N	G	I
L	T	I	N	W	U	G	Z	F	G	E	I	I	B	S
A	X	D	D	V	I	T	N	N	D	I	C	F	O	C
Z	G	R	E	R	V	N	I	I	K	I	J	R	A	U
G	Y	A	A	Q	A	L	D	S	T	E	S	U	T	I
N	A	O	A	F	I	O	R	S	T	A	L	S	I	T
I	C	B	J	A	T	E	B	S	U	N	O	Z	N	I
K	H	E	S	S	T	I	K	E	G	R	I	L	G	N
A	T	T	O	A	K	I	N	L	L	N	F	R	F	G
Y	I	I	W	F	I	L	G	G	N	D	I	I	A	K
A	N	K	G	N	I	M	M	I	W	S	D	V	N	U
K	G	C	G	C	A	N	O	E	I	N	G	A	I	G
L	O	O	P	K	C	O	R	C	D	O	Y	N	P	D
G	N	I	P	M	U	J	F	I	S	H	I	N	G	J

BISCUITING
BOATING
CANOEING
DIVING
FISHING
FLOATING
JET SKIING

JUMPING
KAYAKING
KITE BOARDING
PADDLE BOARDING
RAFTING
SAILING
SNORKELLING

SURFING
SWIMMING
WATER SKIING
WINDSURFING
YACHTING

Can you match the Māori words to their English meanings?

MOANA

SAND

WAKA

SEA

KIRIKIRI

CANOE

KAI

WATER

TAKUTAI

FOOD

WAI

COAST



Who helps us stay safe in the Bay's waters?



That's about the same distance from Tauranga to Te Puke but out to sea and around the islands
(a nautical mile is 1.852 kilometers)

The Bay of Plenty Regional Council's Maritime Team

They look after a big area of water – all the way from Waihi Beach to Lottin Point and 12 nautical miles out to sea, as well as the region's lakes, harbours, estuaries and rivers!

One of their jobs is to make sure that people know and follow the rules when using our waterways so we can all enjoy using them together.

Check out their five key points below that they want us to remember this summer to help us stay safe.

1



Always wear a lifejacket

Boats must have lifejackets for every person on board

2



It takes 3 to ski

You must have 2 people on a boat if you are being towed

3



You must be over 10 years old to be an observer (the person watching) when towing a skier/ biscuit

4



Do not swim in ski lanes

5

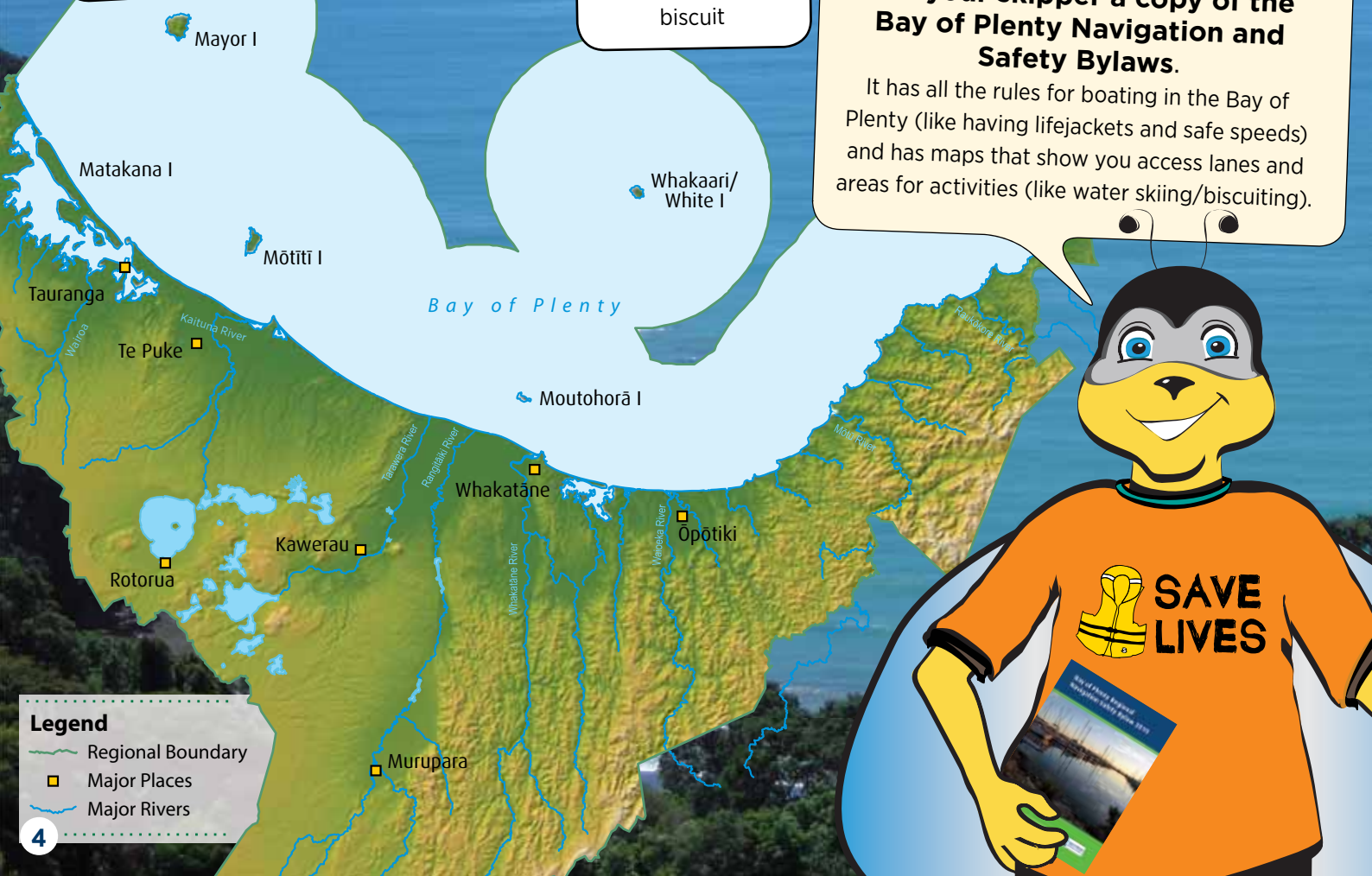


Check before you dive

Don't dive into water until you know what is there

Get your skipper a copy of the Bay of Plenty Navigation and Safety Bylaws.

It has all the rules for boating in the Bay of Plenty (like having lifejackets and safe speeds) and has maps that show you access lanes and areas for activities (like water skiing/biscuiting).



Legend

- Regional Boundary
- Major Places
- Major Rivers



Lifejackets

Wearing a lifejacket can save your life!

But it only works if you are wearing it... and it fits properly!

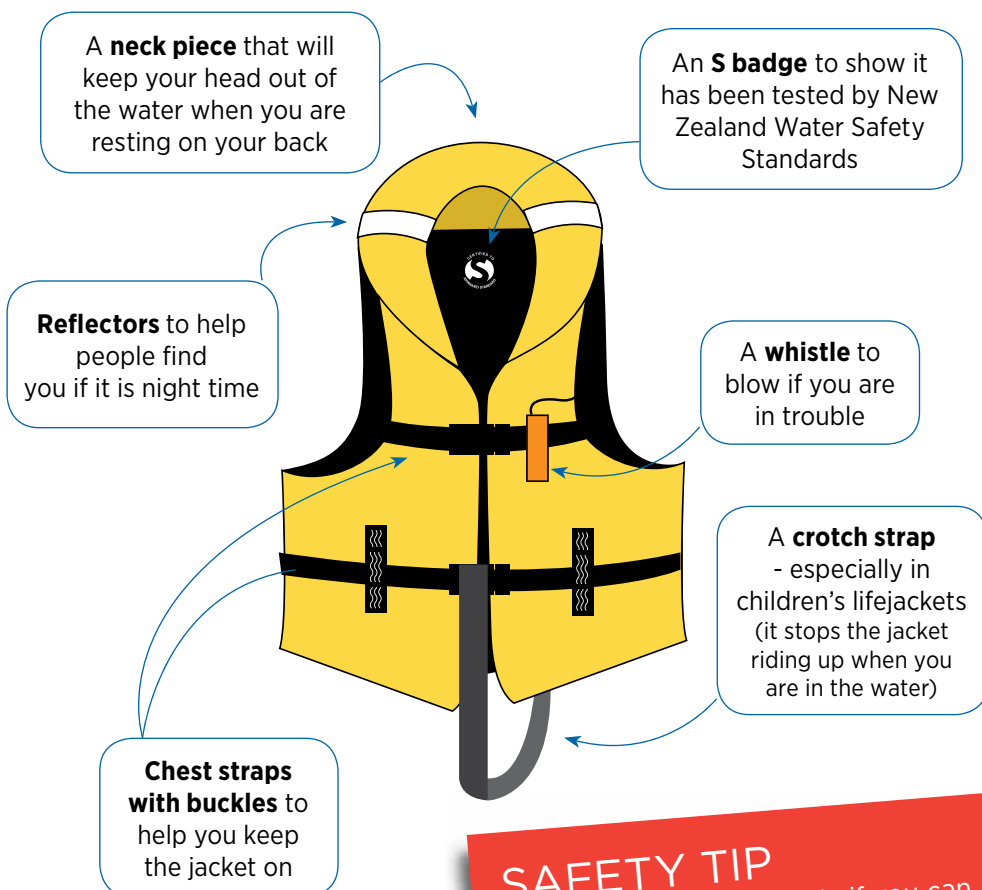
Lifejackets, sometimes called PFDs (**P**ersonal **F**lotation **D**evice) are for safety if someone ends up in the water.

Lifejackets help people to float or stay buoyant, so people can save their energy when they are in the water.

There are different types of lifejackets for different activities and it's important you wear the right one for what you are doing, and that it is the right size. Some keep your head and face out of the water, some are designed to turn people that are unconscious face up, some need to be inflated – they are all a bit different.

The most common lifejackets for children are 'New Zealand Standards Type 402 – inshore waters'. These are good general lifejackets – if they fit properly!

Your type 402 lifejacket should have:



SAFETY TIP
Your lifejacket fits properly if you can be lifted out of the water by the shoulder straps of the jacket.

All boats must have the correct size lifejackets on board for each person.



Look after your lifejackets so they will look after you!

- Store them away from sunlight
- Keep them dry and clean
- Store them away from chemicals
- Before you use your lifejacket check it is in good condition and still fits correctly

Inflatable lifejackets need their gas cylinder (that's what makes it inflate) checked regularly for corrosion.

the breakdown of a metal because of a chemical reaction (like rust)

Float or sink

Floating or sinking depends on density - the weight of an object for its volume (the weight against its size).

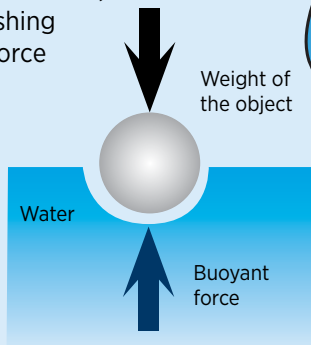
You will need:

- Small objects about the same size like: corks, marbles, wood, plastic, coins, lego block
- Ball filled with air (like a table tennis ball)
- Bowl of water

Method:

1. Put the objects in the water, light objects will float and heavy ones will sink.
2. Now push the ball under the water, can you feel the water pushing it up? This is the upward force called buoyancy.

The upward force (buoyancy) is the same as the weight of the water the object displaces (pushes out of the way). If the buoyancy is greater than the weight of the object, the object floats.



Why does a boat float? They are really heavy...

They float because they are hollow and filled with air, so they are much lighter than the amount of water they displace.

Can you float the boat?

You will need:

- Bowl of water
- Modelling clay

Method:

1. Put the ball of clay in the water. What happens? It should sink as it is denser than the water.
2. Make the ball of clay into a hollow boat shape. Can you make it float? The weight of clay and the air in it make the whole boat shape less dense than the water.

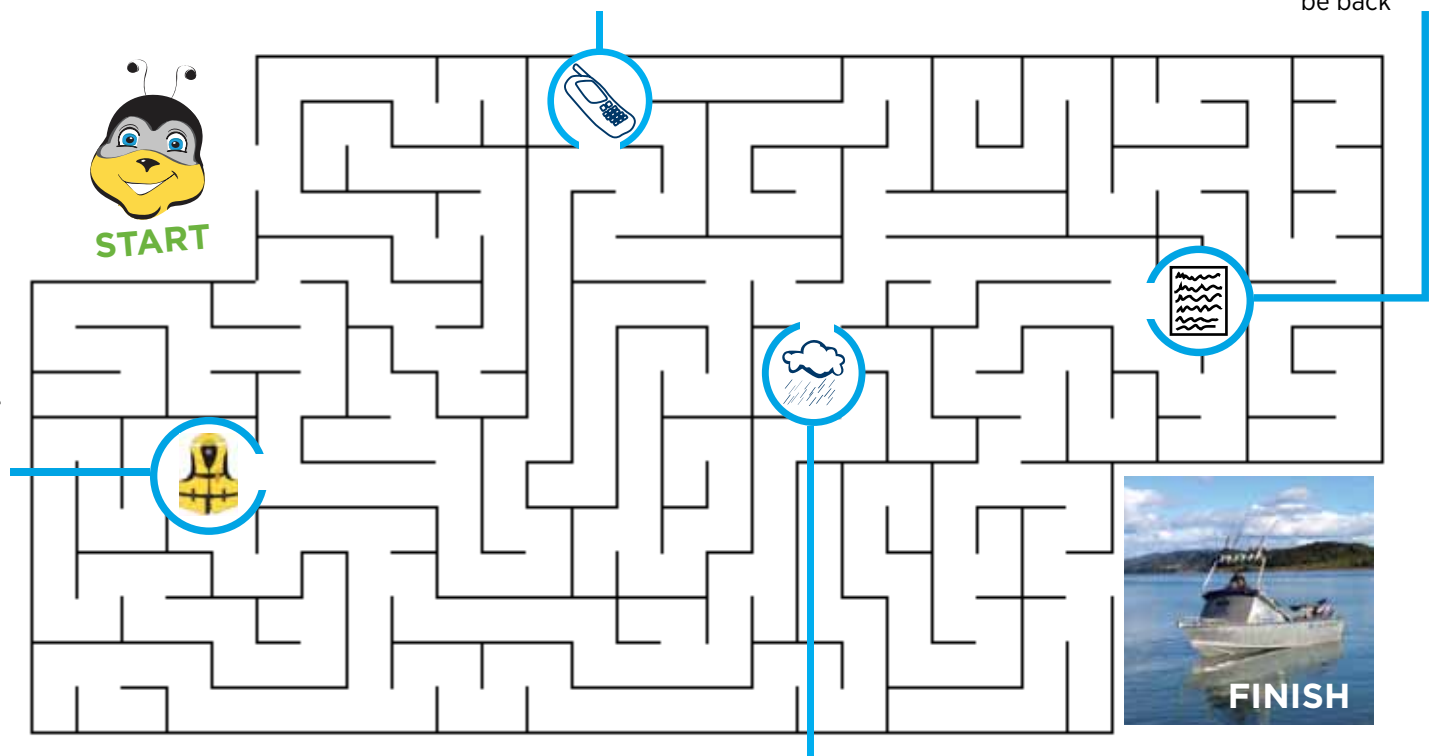


Can you help BuzzBOP get to the boat ramp collecting all the things he needs, or needs to do before going boating?

Tell someone where you are going and when you will be back

Waterproof communication (like a VHF radio)

Well fitted lifejackets



Check the marine weather forecast

Jet Skis

A jet ski – also known as a personal water craft (PWC) can be great fun, but it is important that you know and follow the rules so that everyone stays safe.

The minimum age to operate a jet ski (PWC) is 15 years old, and the rules are the same as for power boats.

- A maximum 5 knot speed limit applies within:
 - 200 metres of the shore
 - 50 metres of any other craft
 - 50 metres of a swimmer or other people in the water
 - 200 metres of a dive flag
- Wear a lifejacket!
- You must have 3 to ski



Unscramble each of the clue words. Copy the letters in the numbered cells to other cells with the same number to reveal the message.

JETCELFKA

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6

SITKJE

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12 11

SIMMWNIG

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9

RUIFGNS

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5 8

BNOTIAG

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2

FOTAL

--	--	--	--	--	--

7 1 3 10

NKSI

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13 4

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1 2 3 4

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2 5 6

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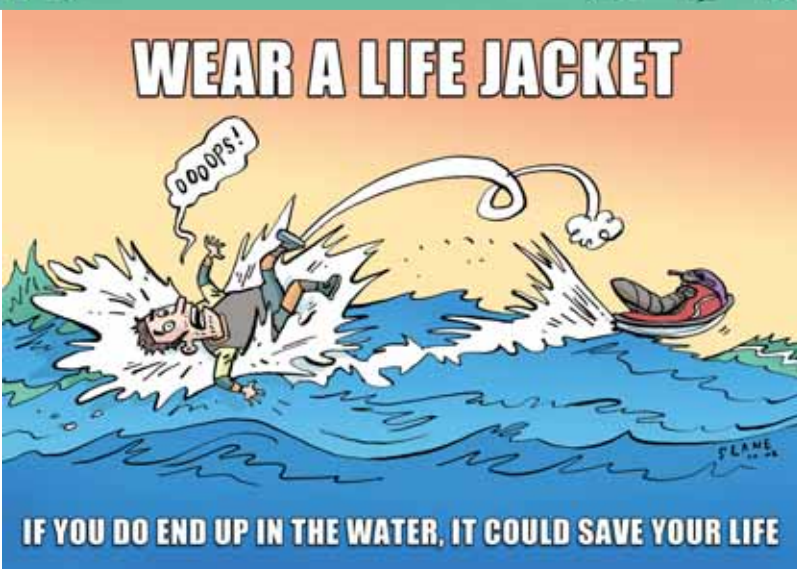
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Y			
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2 5 8

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9 10 11 12 13



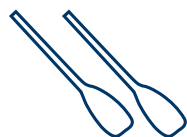
What do you need to go boating safely?

Can you circle the items you need to have for safety when you go boating?

Why do you think you need the things you have circled?



movies and games



oars



lifejackets



tools



fuel



music



torch



warm clothing



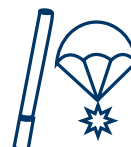
*bucket
(bailer)*



first aid kit



rope



flares



VHF radio



rods and bait



water



skis



*anchor and
chain*



pets



*weather
report*



*fire
extinguisher*



sunscreen



*magazines
and books*



*hat and
sunglasses*

Did you circle these six things that every small boat should have?

Lifejackets, anchor and chain, a bailer (like a bucket), another way to move your boat like oars or a paddle, something you can communicate with if you get into trouble (like a VHF radio or flares), and a fire extinguisher.

ALWAYS WEAR A LIFEJACKET

Over 70% of all the people who drown while boating, could have avoided death by wearing a lifejacket.

**IF IN DOUBT,
DON'T GO OUT**

Check out some other things to help us and our environment stay safe this summer

AT THE BEACH:

- swim between the flags
- be aware of dangers (like rips/currents)
- follow the coast care code:
 1. Look for the coast care signs
 2. Respect the fences
 3. Surf the waves not the dunes
 4. Keep vehicles off the dunes
 5. Look after the plants
 6. Look after the dunes

Be a pollution buster and always put rubbish in a bin or take it home with you.

Clean streams help to keep the sea clean.

Check the water quality before you go swimming

Bay of Plenty Regional Council monitors the water quality at 80 places in the region

(<http://www.boprc.govt.nz/environment/water/swimming-water-quality/>)

Our lakes are beautiful but when there is too much algae the water is not safe to swim in, drink or touch. If it's milky and green, it's best to stay dry and clean! And if in doubt – stay out.

If it's milky and green, it's best to stay dry and clean!

Be brighter than the sun!

SLIP into a long-sleeved shirt and into the shade

SLOP on plenty of sunscreen (at least 15 minutes before going outdoors)

SLAP on a hat

WRAP on sunglasses

Especially between 10am and 4pm

Make sure an adult is watching you in the water!



STOP THE SPREAD

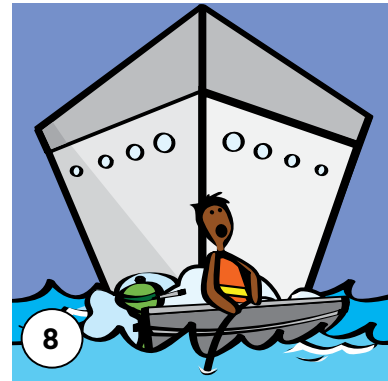
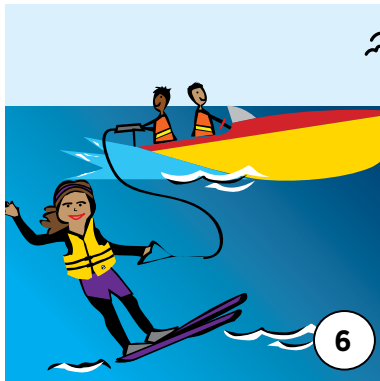
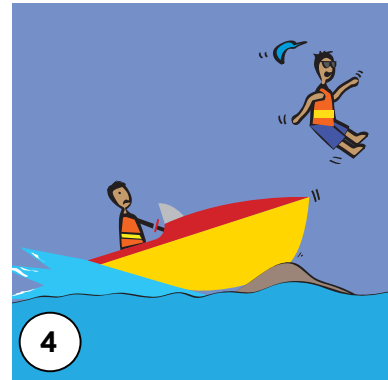
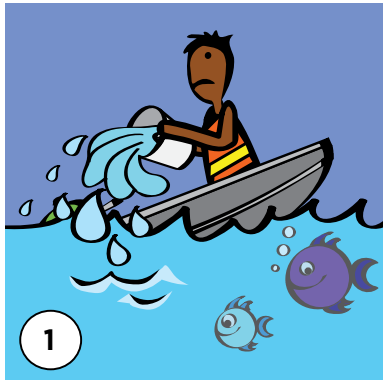
Protect our waters from aquatic hitchhikers. CHECK, CLEAN, DRY

Remove all waterweed from boats and recreational equipment when leaving waterways.

Don't dive into water until you know what is there

There can be hidden dangers under the water (like rocks and tree branches), you should always have an adult check it out and enter shallow and unknown water feet first. If there are warning signs not to swim or jump there, follow them.

Mix and match competition!



What do you think is happening in these cartoons?

Match them with the messages!

Competition ends 19 December 2014
Open to students up to 13 years of age
Prizes: 3 x lifejackets

- ☐ Wear a lifejacket
- ☐ Go SLOW near divers
- ☐ No bow riding – over 5 knots
- ☐ You must have an observer when towing
- ☐ Go slow near the shore / boats / swimmers
- ☐ Carry a bailer
- ☐ Don't anchor in the shipping channel (or get in the way of shipping)
- ☐ Wear a lifejacket
- ☐ Tell someone where you are going
- ☐ Check the weather forecast before you leave

Name: _____

Address: _____

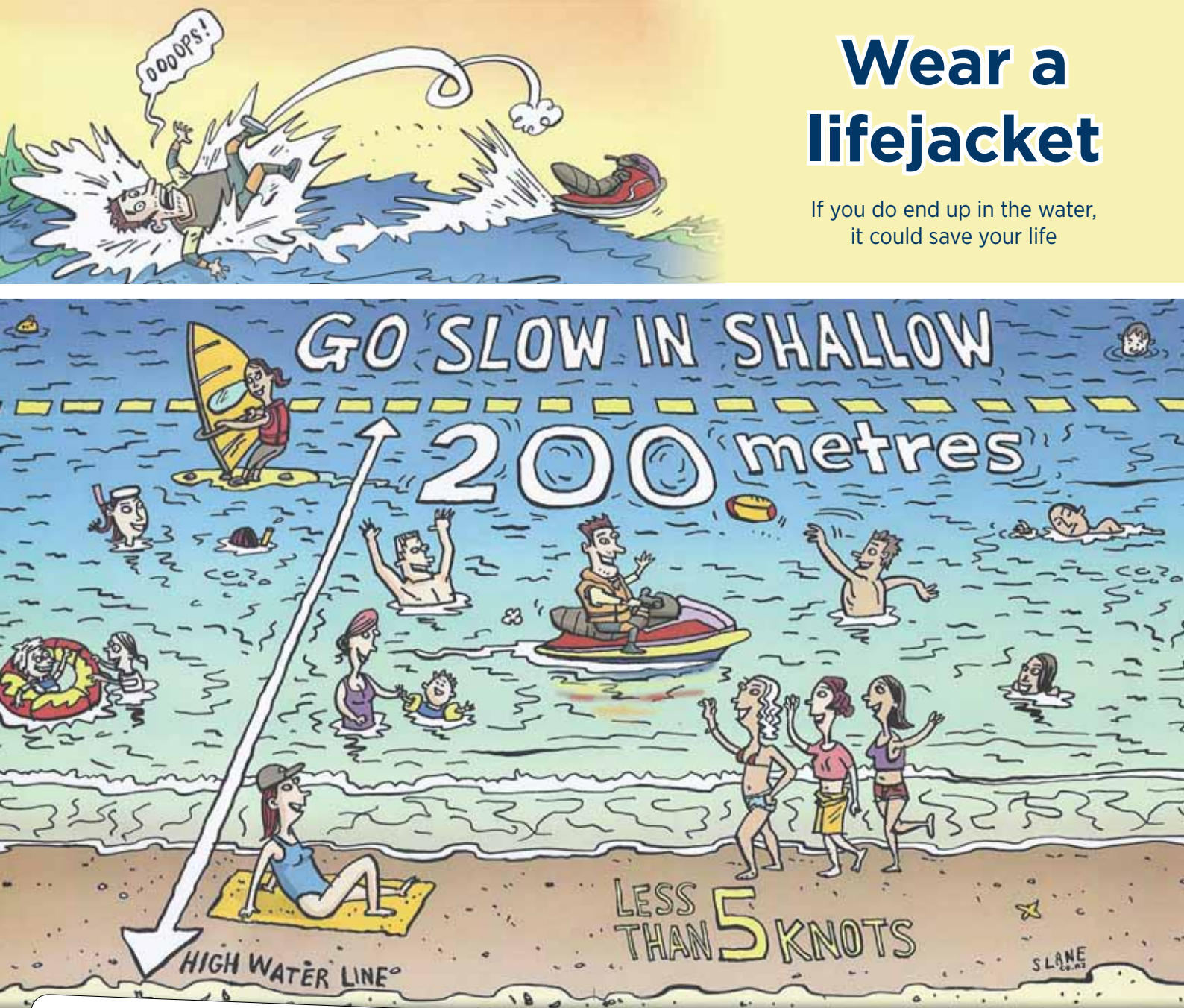
Age: _____

Send entries to:

Jo Kapua
Bay of Plenty Regional Council
PO Box 364
Whakatāne 3158

Wear a lifejacket

If you do end up in the water, it could save your life



Do you live in the Bay of Plenty?
Are you aged 3-15 years old?
Are you interested in learning about
the environment and sustainability?

Join our Pollution Busters Club and get your free newsletter full of sustainable tips, competitions, games and puzzles.

Email buzzbop@boprc.govt.nz or return this form to become a Pollution Buster today!

Pollution Busters join up

Please have an adult check that the details are correct before you send this.

Name _____

School _____ Birthday ____/____/____

Address _____



Post to:
BuzzBOP and Team
Bay of Plenty Regional Council
Freepost 122076
PO Box 364
Whakatāne 3158

Email:
buzzbop@boprc.govt.nz

