



WE LOVE NEW ZEALAND

ISSUE 48 - OCTOBER 2011



Tena koutou nga hoa!

Hello pollution busters! We hope that you have visited some of our beautiful wetlands, and shared the information from our July issue with family and friends.

Thanks to those of you who entered our wordfind competition, we received a lot of correct entries which was great – check out the winners on page 10.

From 11 - 18 of September we celebrated New Zealand Conservation Week. This year's theme was 'We love you New Zealand'. So in this issue we are going to look at how you can show NZ you love it by using the three R's (reduce, reuse, recycle). BuzzBOP also has some friends who know a lot about transport so we will find out more about what they do in the region.

Our competition is to design a sticker, so get creative! There is a template on page 10.

We want to hear what you and your parent/caregiver think about our newsletter so please fill in our survey on page 11. Every pollution buster that sends one back will get a gift.

BuzzBOP and the team hope you have a really good holiday break and remember to send us your stories and photos to feature in the 'Club Page'.

"Kia u, kia ngakaunui ki nga mahi pai"

Be steadfast and conscientious in all your good work.

From BuzzBOP and the team at
Bay of Plenty Regional Council.



CONSERVATION WEEK 2011

Love New Zealand - Arohaina i a Aotearoa

Conservation Week is a chance to show how much you love New Zealand! It is a partnership project between DOC and TVNZ 7.

In September thousands of people across the country showed how much they love New Zealand by celebrating our native wildlife, our incredible natural areas, and the places that are part of our history by taking part in conservation events and activities.

A major highlight of this year's Conservation Week was the 'The Great Living Legends Muck-in'. Living Legends is a community conservation project that organised 17 native tree planting projects (85,000 trees!) across the country during September and October.

Each planting project was dedicated to a 'Rugby Legend', someone who has made a big contribution to rugby in New Zealand. Former All Black Hika Reid was selected as the Bay of Plenty's rugby legend.

In the Bay there were two plantings – one in Rotorua at Hamurana Recreation Reserve and one at the Kaituna wetland in Tauranga.



Springs



Living Legends
Where the field meets the forest

Bay of Plenty's rugby legend - Hika Reid

Check out the website www.conservationweek.org.nz for some cool craft activities and links to some fun nature games.



GLOSSARY

contribution – give/donate to something

extinct – none of the species living anymore

industry – a trade or type of work

isolation – away from everything else

network – an interconnected system of things or people

partnership – groups that do things (work) together

tourist – someone who travels to different places on holiday



NZ FAST FACTS

Official Name: New Zealand/Aotearoa

Capital: Wellington

Population: 4.2 million

Official Languages: English/Māori

Area: 270,000 square km

Length of the coastline: about 15,000 km

Largest lake: Taupo

Largest city: Auckland



WE LOVE NEW ZEALAND FOR ITS:



GEOGRAPHY

- New Zealand is a remote group of islands in the Pacific Ocean. The North and South Islands are separated by Cook Strait.
- NZ does not have many neighbours - Australia is the closest country (it's about 1,600 km away – which is about the same distance as the length of New Zealand).
- New Zealand's landscape is made up of; lakes, rivers, mountain ranges, harbours, estuaries, geothermal areas, snowy peaks, rocky shores, sandy coastlines, native bush, wetlands and pastures.
- NZ has more than 50 volcanoes! Some are still active. Our only active marine volcano is 'Whakaari' more commonly known as 'White Island' which is in the Bay of Plenty.

PEOPLE AND CULTURE

New Zealand has a very special and rich culture. Māori language and culture is very important – the All Blacks always perform the Haka (a traditional Māori dance) before a rugby match.

New Zealand's location, and New Zealanders' love of the outdoors, sport, and arts make the New Zealand culture one of a kind in the world.

- Māori named the country, Aotearoa, "The Land of the Long White Cloud."
- New Zealanders are commonly known as "Kiwis".
- More people live in the city of Auckland, than the whole population of the South Island.
- Rugby is the national sport and nearly everyone cheers on the All Blacks. Many 'Kiwis' also enjoy cricket, netball, football and lots of other sports too.
- Tourism is the main industry in New Zealand with over two million visitors a year, (that's nearly ½ of New Zealand's population).
- The main exports are wool, food, dairy and wood.

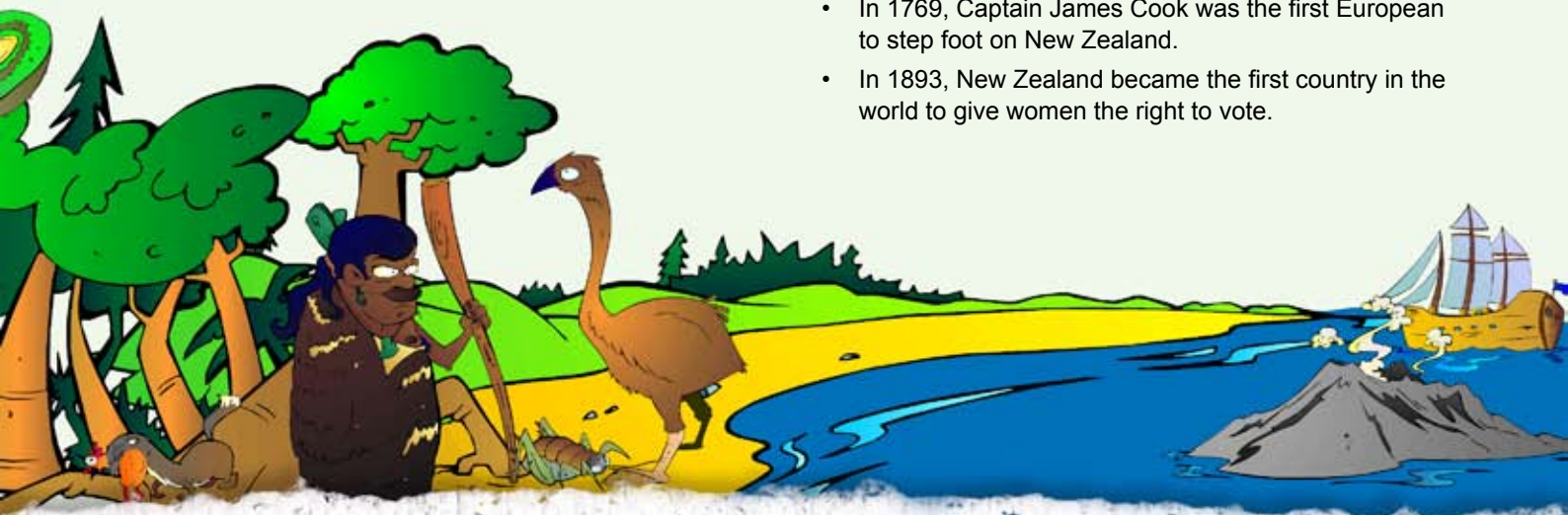
NATURE

New Zealand has lots of unique native fish, insects, birds, lizards and frogs. Did you know our only native mammals are bats!

- Most of the native land animals are birds and many cannot fly (the Kiwi is New Zealand's most famous flightless bird). Many of our native birds and insects, like the weta, evolved and increased in number because there were no mammals here or predators like rats and stoats..
- Did you know the giant weta can weigh up to three times more than a mouse! It is a relative of crickets and is one of the world's heaviest insects.
- The animals that were introduced (brought here from other countries) to NZ have made it hard for the flightless birds to survive as they have no defences against them (they can't fly away and haven't needed to fight back before).
- The native flora (plants and trees) of New Zealand are all one of a kind because they have grown for millions of years in isolation (all by themselves because New Zealand is so far away from other countries).
- 80% of our trees ferns and flowers are endemic (found only in New Zealand).
- About one quarter of New Zealand is protected wilderness (National Parks).

HISTORY

- The Māori people arrived by waka/canoe from islands in Polynesia.
- The Moa was the largest flightless bird that stood up to 15 feet tall. It was hunted to extinction.
- The Dutch explorer Abel Tasman was the first explorer to see NZ in 1642.
- New Zealand was named Nieuw Zeeland after an area in the Netherlands.
- In 1769, Captain James Cook was the first European to step foot on New Zealand.
- In 1893, New Zealand became the first country in the world to give women the right to vote.



SHOW NZ HOW MUCH YOU LOVE IT! REMEMBER THE 3 R's

REDUCE



ReuSe

RECYCLE

Reduce, reuse and recycle make a circle that can help keep natural resources; reduce waste, reduce energy use and pollution; and protect the earth.

REDUCE

Reduce is all about using less! (or even none at all). Reducing how many things you buy, the waste you produce, the energy and water you use is the BEST way to help the environment (and keep \$\$ in your pocket). Before you buy something ask yourself 'Do I need this?', 'Is there another option?', 'Can I make it?'. Reducing is important because it uses less or none of the Earth's resources.

Some examples of reducing are:

- Cut back on packaging - only buy products that don't have a lot of packaging.
- BORROW! - Don't buy! Instead of buying something you're not going to use very often, see if you can borrow it from someone you know, or team up with someone else and buy one between a whole group of you and share it!
- Reduce the environmental damage caused by cars - carpool with friends, walk, take the bus, or ride your bike instead of driving.

WHAT IS UPCYCLING?

Upcycling is like reusing - creating useful products from waste materials or useless products. Like taking some old blankets and making a jacket from them or turning an old belt into a bracelet!

REUSE OR UPCYCLE

Reuse is all about putting old things to new uses - using your imagination and resourcefulness.

Before you throw anything out ask yourself this question "Can I use this again?" Think about other ways you could use it. It may be washing and using a takeaway food container to store your leftovers in. Reusing helps us save time, money, energy and resources.

- Reusing saves space in our landfills
- Reuse means that the energy that was originally used to make the item is not wasted
- Reuse saves resources like fuel, forests and water that would be needed to make new products
- Reuse creates less air and water pollution than making a new item or recycling
- Reuse saves you money!



RECYCLE

If you can't reuse it – recycle it! Recycling is the process that turns something old into something new.

What's so good about recycling? It helps to reduce the amount of litter and waste added to our landfills. Many of the things we use every day, like paper bags, newspapers, bottles, cans, and milk bottles, are made out of materials that can be recycled. Recycled items are put through a process that makes it possible to create new products out of the materials from the old ones.

As well as recycling the things you buy, you can help the environment by buying products that have recycled materials in them.

SOME MORE GOOD R'S!

Re-think – When out shopping before you buy something 'Re-think' - do I really need this?,

Recharge – buy products that are rechargeable or use rechargeable batteries.

Repair – If something breaks, see if you can repair it. Repairing things instead of replacing them cuts down on how much goes to the landfill.

DID YOU KNOW?

Composting is an example of using all 3 of the R's! When you compost natural materials (leaves, grass, food scraps etc.) they are **recycled** into compost that gardeners **reuse**. And then when you use homegrown compost, you can **reduce** the amount of artificial fertiliser you need to use – or get a worm farm and use none!

ACTIVITY

PAPER BEADS

Paper beads are a cool thing to make out of waste paper, old magazines.

You will need:

- Bright coloured paper from, magazines, gift wrap, catalogues.
- Glue or glue stick
- Scissors
- String, fishing line or wire.

- 1 Cut long skinny triangles of paper (about 2.5 cm x 29 cm)
- 2 cover one side of the triangle with glue.
- 3 Roll each triangle up from the fat end to the skinny end - leaving a hole to thread your string/fishing line/wire through. (you can wrap it around a tooth pick or skewer if it makes it easier.)
- 4 When the glue has dried thread them on to the string to make jewellery (necklaces or bracelets) or onto crazy shaped wire to have as a cool piece of art or a mobile.



Mix and match activity

- | | |
|------------------|--|
| A Reuse | 1 an unusable or unwanted substance or material |
| B Waste | 2 to cut down on or not use as much |
| C Recycle | 3 rubbish not put in a bin |
| D Litter | 4 to use an item more than once, often in a new way |
| E Reduce | 5 to break down rubbish and make into something new |



THINGS YOU CAN DO TO KEEP CLEAN AND GREEN!



BE WATER WISE!

- Save water – have shorter showers - use BuzzBoP's shower timer
- Reduce, Reuse, Recycle
- Take the bus, carpool, walk or bike
- Use your feet!
- Turn the tap off while you're brushing your teeth
- Recycle – mobile phones, paper, plastic bags if you can't reuse it then think recycle
- Switch from paper and plastic bags to reusable bags
- Hang your clothing in the wind to dry instead of using the dryer!
- Tell mum and dad they could use internet banking, and get paperless statements to reduce your paper usage and trips to town
- Make compost - it will help create better soil and less landfill waste
- Get a worm farm
- Have your own drink bottle that you can reuse instead of buying drinks when out
- Unplug appliances in your house when they aren't in use to save energy
- Start a walking school bus
- Be water wise
- Make litter-less lunches
- Save old or stained clothing to use as rags for dusting and cleaning (we know you help Mum at home)
- Use rechargeable batteries
- When at the beach surf the waves not the dunes
- Take only photos, leave nothing but footprints in our natural environment
- Clean your boat and trailer to stop the spread of aquatic hitchhikers (weeds can get stuck anywhere)
- Pick up rubbish
- Use products made of recyclable materials
- When using a computer only print if you really need it – otherwise it's just wasting paper
- Get your groceries in bulk; it reduces packaging, saves money and the number of trips you have to make to the supermarket
- Buy items that use less packaging
- Purchase locally produced food at farmer's markets, or even better have fun growing your own!
- What other ones can you think of?

USE YOUR FEET



Mix and match answers: A=4, B=1, C=5, D=3, E=2.



LOVE NZ

Making Public Place Recycling happen for the Love of New Zealand



What is Love NZ?

Love NZ is a partnership between the New Zealand Government, industry and local government (city and district councils) to set up a network of recycling bins in busy areas and tourist spots around New Zealand, so that wherever you are you can recycle!

When you are out and about these holidays keep your eyes peeled for 'Love NZ recycling bins'. They are specially marked recycling bins that you can find up and down the country in busy areas and tourist hot spots (places tourists usually visit). At the moment you can find them in Tauranga and Rotorua. Hopefully they will soon spread to the rest of the Bay of Plenty!

This year the number of Love NZ recycling bins increased as New Zealand got ready to host over 85,000 visitors at the biggest sporting event ever held in this country - the Rugby World Cup.

Recycling at home and in public means that everyone has a chance to do the right thing for New Zealand's environment wherever they are.

If you want to know more about the Love NZ recycling bins go to www.lovenz.org.nz

DID YOU KNOW?
30 per cent of all drink containers are finished when away from home. So by having Love NZ recycling bins in our towns means all of us can recycle our drink bottles and cans when we are out and about. It's even better to have your own drink bottle that you fill from home and reuse!



TRANSPORT



During the holidays when you are planning a trip think about all the different types of transport you can use. If you don't need to go far perhaps you could walk, bike or take the bus instead of taking the car.

What is transport?

Transport - is the movement of people and goods from one place to another.

What is sustainable transport?

Sustainable transport (green transport) is any transport with low impact on the environment (like walking or biking). It is also about finding ways to move people, goods and information in ways that reduce the impact on the environment and reduce the cost and effect on people.

Transport is not just about vehicles... It's also about:

INFRASTRUCTURE (networks)	VEHICLES	OPERATIONS
Infrastructure is the networks – roads, railways, airways etc. that are used as well as the terminals (airports, bus stations, ports)	The vehicles (cars, buses, trains, airplanes) that ride on the networks	Operations control the systems, like traffic signals.



WORDFIND

AMBULANCE
BARGE
BICYCLE
BOAT
BUS
CANOE
CAR
CARGO
FEET
FERRY
HELMET

HORSE
HOT AIR BALLOON
HOVERCRAFT
KAYAK
MOTORBIKE
PLANE
ROCKET
ROLLERBLADES
SCOOTER
SHIP
SKATEBOARD

TAXI
TRACTOR
TRAIN
TRAM
TRANSPORT
TRANSPORTER
TRUCK
WALK
WALKING
WHEELCHAIR
YACHT

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



At the Regional Council BuzzBOP has a group of friends called the ‘transport team’... They really love NZ and all the beautiful places – but I bet you are wondering what do they do? – do they play with cars and trucks all day?

...No... They plan how you can get to all these beautiful places, and the different types of transport you can use to get there!

Their job is to help plan roads, cycle ways, footpaths and buses for our community. If the community is getting bigger and there are new houses, they need new roads to get to their homes and shops.

If businesses like Kiwifruit growers for example have a lot of goods to sell, they have to make sure the goods can be moved either by trains, trucks or ships. The team needs to make sure the ships can arrive at the port and that the railway lines can move the goods to the factories.

Then there are the buses! The transport team have to organise all the buses in the Bay of Plenty. They have to make sure they turn up on time; plan where they will stop and which direction they will go. Because we love NZ, taking buses is a great way to help lower pollution and reduce cars on the road. Buses also help with congestion (when lots and lots of vehicles are on the road and it is hard to get anywhere).

The transport team also try to encourage people to walk and cycle. Yes, this is included as transport too. By having more people walking and cycling, it reduces the number of cars on the roads.

All of this transport has to be done safely. Roads can be very dangerous for all users.

They try to make it safe for people to walk to visit their friends or to ride their bikes by planning footpaths and cycle lanes on the road. They also get the message out about wearing a helmet on your bike and reflective highlighter clothing so those in vehicles can see you. These are all ways you can keep safe on the roads.

Cyclists need to have space so they don’t get hit by cars and they must wear a helmet. (Do you remember all the safe cycling tips we learnt in Issue 46 - Air? If you have recycled your copy and want to check them out again go to www.boprc.govt.nz/residents/kids).

Car drivers have to obey the speed limit and the transport team has to make sure the road is the right type for the speed of the cars.

Example - Travelling bananas

- A ship comes in with a container full of bananas.
- This container gets put onto a train to go to a warehouse.
- At the warehouse it gets separated into boxes and distributed along the roads to all the dairies and supermarkets.
- We drive down to pick up some groceries including a bunch of bananas and drive them home.
- The next morning Tom bikes to work with a banana in his bag and Mary walks along the safe footpaths with hers.

Those bananas travel a long way and use lots of different types of transport!



CLUB PAGE



Thanks to all the entries in our **Wetlands Wordfind competition**. The answer was: Wetlands are wonderful wet places! The winners were: **Erueti Foster**, Age 8, Rotorua. **Stefan Stoov'e**, Age 8, Whakatane. **Aimee Bell**, Age 12, Tauranga

MAILBAG!

BuzzBOPs mailbag was full of all sorts of cool things this month – some of them are below. Make sure you send your photos, stories, art etc. to Buzz BOP to feature in the club page. (Remember you can also email competition entries, letters, stories, jokes or photos to buzzbop@boprc.govt.nz)



Jade



Tiana, Age 10



Emily, Age 14

DESIGN A STICKER COMPETITION

Design a cool new

Pollution Busters sticker!

Choose one of the themes below to design a sticker and send it in by 4 November 2011, the winning entries will receive some of their own designs as stickers!

Theme 1 – Reduce, Reuse, Recycle

Theme 2 – Use your feet

Theme 3 – Be water wise

You can cut me out and use
me in your sticker art!



Survey

Parents/Caregivers



Name: _____

Age: ☐ Under 5 ☐ 5-7 ☐ 8-10
☐ 10-13 ☐ 13-15 ☐ 15+

PLEASE NOTE ... if you are over 13 and STILL WANT to be a member of the Pollution Busters Club make sure you return this form otherwise you will be removed from our mailing list. We are happy for you to stay a member, but don't want to waste resources by sending it to you if you no longer want it.

Address: _____

What do you **like best** about the newsletter? Why?

What **don't** you like about the newsletter?

What would you like to see more of in the newsletter?

How easy is the newsletter to read?

☐ Easy ☐ Okay ☐ A bit hard
☐ Hard ☐ Really hard

Do you have an email address? ☐ Yes ☐ No

Do you have access to a computer at home?

☐ Yes ☐ No

How would you like to receive the newsletter?

☐ In the mail (same as now)
☐ From our website (download it)

What do you think about the length of the newsletter?

☐ Just right ☐ Too long ☐ Too short

Do you have any ideas about how we could improve Pollution Busters?

What do you like about the newsletter?

How many children in your household read the newsletter?

☐ 1 ☐ 2 ☐ 3
☐ More (please specify.....)

Are they all members of the Pollution Busters club?

☐ Yes ☐ No

Would you prefer to 'download' an electronic version from our website?

☐ Yes ☐ No

How appropriate is the language level used in the newsletter for your child?

☐ Easy ☐ Okay ☐ A bit hard
☐ Hard ☐ Really hard

Do you ever read through the newsletter with your child?

☐ Always ☐ Sometimes ☐ Often ☐ Never

Do you find the information in the newsletter interesting and useful?

☐ Yes ☐ No

Why? _____

How could we improve the newsletter?

Any other comments and suggestions in relation to the newsletter and Pollution Busters Club as a whole?

Thanks for your time!

Please send completed surveys to:

BuzzBOP and Team

Freepost Bay of Plenty Regional Council
PO Box 364

Whakatāne 3158

Buzz BOP's friend Kas

What do you do?

Planning Transport Administrator is my title – What does this mean – That I am a good juggler – I organise all the meetings for our group, I organise all the bus timetables, advertising, promotions. I help people if their bus card does not work. I help people with disabilities get taxis so they can do their shopping and visit their friends.

What's the best part of your job?

Organising promotions and marketing material. I also enjoy knowing that our job is helping the community, reducing the number of cars on the road and in turn reducing the amount of pollution to our planet.

How do you travel to work?

I catch the bus of course! I love the Katikati commuter, 30 mins of cruising before I arrive at the office.

What's your message to Pollution Busters?

That walking and cycling to school keeps you fit and saves the planet! You can catch the bus to school and make bus buddies and do that last minute homework assignment on the way to school! (That one that should have been done last night but you would rather have fun or watch TV) I see kids on the bus doing it all the time. Join the club!



NZ information and facts in this issue sourced from: www.newzealand.com | www.doc.govt.nz | www.virtualoceania.net/newzealand | www.tourism.net.nz

Pollution Busters join up or change of address here...

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

- ☐ I am a new Pollution Buster
- ☐ I am already a Pollution Buster but I have changed my address

Name _____

School _____ Birthday ____ / ____ / ____ day / month / year

Address _____

(Postcode)

BuzzBOP and Team
Freepost Bay of Plenty
Regional Council
PO Box 364
Whakatāne 3158
buzzbop@boprc.govt.nz

Write your name, age and address on your letters and on the back of your artwork.

Have you moved and changed address?

If you have moved and changed address, please write or email to us so we can make sure you get your newsletter.