



# Out-of-S.I.T.E.

## Planting days



During the last term close to 100,000 native plants were planted along stream or lake banks in our region.

**St Joseph's School Waitara** planted about 500 plants along the banks of Cowley's Lake near Waitara. This is the fourth year they have helped plant around the lake and they were able to now see the effect of the planting on the lake edges. Great effort team!

**Inglewood Primary School Senior Classes** planted about 700 plants along the banks of the Kurapete Stream near Inglewood. In what could at best be described as inclement weather they achieved a herculean task. Well done!

## Teacher development day

'What's with the weather' was held late in the third term. Sixteen teachers attended this day with the focus being on reading weather maps and setting up weather recording stations. A bonus for the schools attending was the provision of a Rainomatic 3-in-1 weather station courtesy of the Taranaki Regional Council.



Get an aerial view of your school property. Check out Taranaki Regional Explorer on [www.trc.govt.nz](http://www.trc.govt.nz)

## Planting units

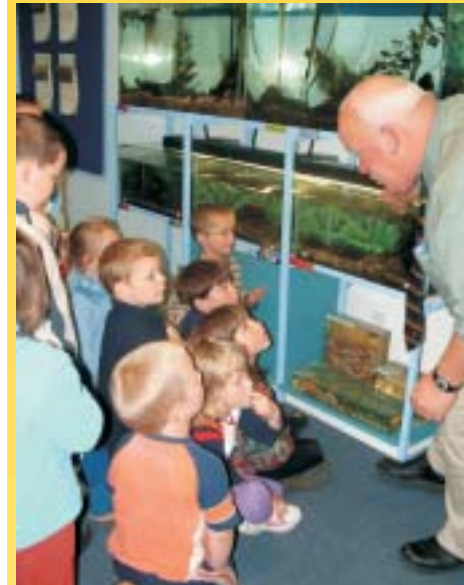


An exciting new innovation from the Taranaki Tree Trust has seen Devon Intermediate School be the first recipient of a planting unit. The Tree Trust are keen to assist schools to increase student awareness of the place and value of trees in our environment. To achieve this they will donate planting units and associated hardware to about four schools per year. This first unit is being used as a trial and details of how schools can apply to be involved will come later. Watch this space!!

## Bits'n'Pieces

### Display Room/Biology laboratory

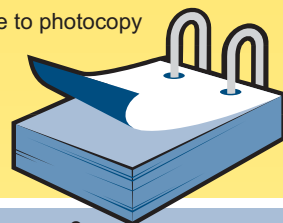
The two rooms used to host school groups at the Taranaki Regional Council have now had their upgrades completed. We look forward to hosting your group should you be in the Stratford locality. Phone the Education Officer to arrange a visit and presentation to your students on any aspect of environmental sustainability.



Children from Kapuni School visited the Taranaki Regional Council Biology laboratory recently.

### Environmental calendar

Enclosed with this issue of SITE is a 2005 calendar with school holidays and all environmental events shown. It may be useful in helping plan ahead for environmental themes. Feel free to photocopy extra copies.



### Answers from page 3:

**Mix-up:** 1-hockey 2-soccer  
3-tennis 4-rugby 5-squash  
6-cricket 7-netball  
8-basketball 9-golf  
10-softball

**Match up:** 1-c 2-e 3-g  
4-f 5-a 6-d 7-h 8-b

**Target word:** Readiness



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TARANAKI REGIONAL COUNCIL  
NEWSLETTER TO SCHOOLS

It is with pleasure that I can inform you that Kevin Archer, Deputy Principal of Frankley School has been appointed as my successor as Education Officer for the Taranaki Regional Council. Kevin is due to take up his new role in January 2005.

To ensure the Council can support school programmes in the interim I have been approached to work part time until the end of the year. Those schools that have already made bookings for the fourth term can rest assured that these will be honoured. Those of you who are planning activities associated with environmental themes should still contact the Council on 06 765 7127 to book your activities. I will ring you back if you leave your name, number, planned dates for your activity and a brief message of your requirements.

Details for this term's workshop is included with this issue of SITE. 'Starting a plant nursery' is to be held at the Taranaki Regional Council on Wednesday 20 October 2004 from 1.30 to 4.00 pm. Please use the accompanying registration form.

During August a significant new geographic website went live. In a joint venture between the Taranaki Regional Council and the Stratford and South Taranaki district councils the site offers free access to Council information and aerial photographs of all rural and urban properties in the two districts. Schools will be able to access high quality aerial photographs of their properties. These could be extremely useful when planning any development of your site such as plantings and gardens. Schools in the New Plymouth district urban area will still need to access the detailed information through NPDC where a fee may be charged.

I continue to be heartened by the work being done in schools to ensure our environment is looked after. I firmly believe that you can make a difference. There is no doubt that people are more generally aware of environmental issues now than they were ten years ago. Our aim of educating youth about environmental actions will lead to a better understanding of the effect we have on our environment. Keep up the great work!

Thank you once again to all those schools and teachers who have invited me to share in your programme. I continue to be impressed with the attitudes and dedication of you all.

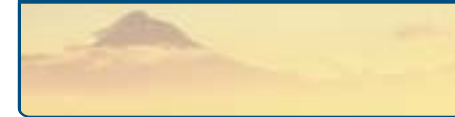
E noho rā  
Graeme



Schools in the Environment

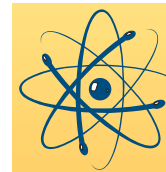
No. 31

## Taranaki CDEM Group



Civil Defence Emergency Management Group

Later this year sees the adoption of a new Taranaki CDEM Group Plan. It signals some changes to the previous Civil Defence role as it adopts an approach to cover all hazard emergencies rather than just natural events. For this issue of SITE we asked Senior Emergency Management Officer Bev Raine some questions to help understand the changes.



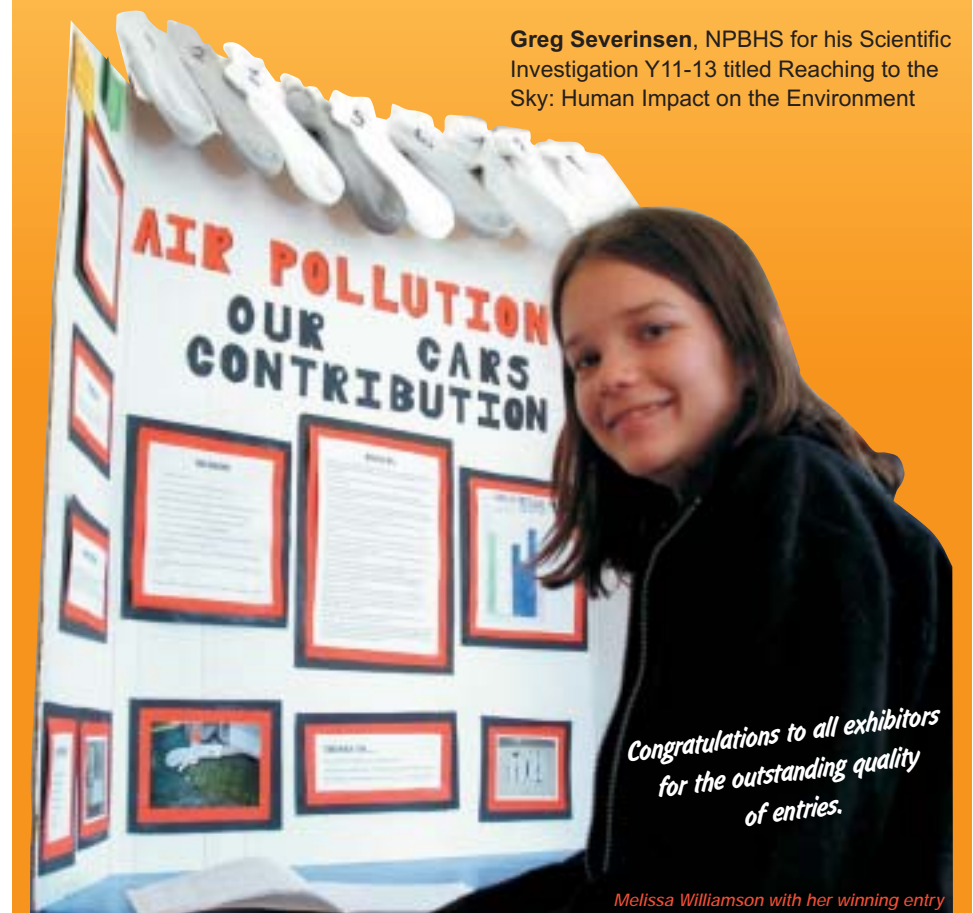
## Science Fair

Once again the Science Fair show-cased the extraordinary range of talents possessed by local students. Each year the Taranaki Regional Council sponsors prizes for displays that best exhibit an aspect of environmental science.

**This year TRC prizes were awarded to:**  
**Melissa Williamson**, Mangorei School, for her Scientific Investigation Y7-8 titled Air Pollution: Our Car's Contribution

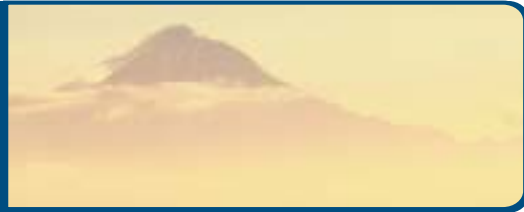
**Caleb Aveling**, Opunake High School for his Scientific Investigation Y9-10 titled Nitrogen Leaching

**Greg Severinsen**, NPBHS for his Scientific Investigation Y11-13 titled Reaching to the Sky: Human Impact on the Environment



*Congratulations to all exhibitors for the outstanding quality of entries.*

*Melissa Williamson with her winning entry*



## Background

A new Civil Defence Emergency Management (CDEM) Act came into being in December 2002. The new Act requires local and regional councils to review the procedures they had in place under the old Act.

A requirement of the new law was the formation of a CDEM Group, and a Co-ordinating Executive Group.

The CDEM Group comprises the mayors of the three districts (Mary Bourke, Brian Jeffares, and Peter Tennent), together with Cr Roger Maxwell of the Regional Council. The Co-ordinating Executive Group (CEG) comprises chief executives or their nominees of the three district councils and the Regional Council together with senior representatives of Police, Fire and Health, along with a welfare advisor, rural advisor, iwi advisor and the Group Controller. The CEG provides advice and assistance from a management perspective to the CDEM Group on all CDEM matters.

The first function of this group was to produce a Taranaki CDEM Group Plan. Each region in New Zealand has been given two years to produce their plan and submit it for public consultation. Currently the Taranaki plan is at the public consultation stage with submissions due to be heard in September. After any necessary amendments it will be forwarded to the Minister of CDEM for comment before being adopted by the management group on November 23. The plan will then be operative for five years.

## What area is covered?

Prior to this new Act, Taranaki had two Civil Defence areas. The Taranaki Regional Council was contracted to provide CD services to both the New Plymouth and Stratford district councils, while the South Taranaki District Council provided their own services. With the new Act it has been decided that there will be one organization to cover the whole region.

## Which services are involved?

The new CDEM Plan is a comprehensive document which includes all the emergency services working together with the local authorities and other key agencies such as WINZ, CYFS, Housing NZ to name but a few. Each individual organisation will continue to carry out their core function during an emergency, however the CDEM Group Controller will provide strategic advice and direction and all emergency welfare responses in the community will be the responsibility of the CDEM Group.

## What does the plan include?

The CDEM Plan sets out the significant risks and hazards that exist in our region. It then develops procedures for managing the risks and hazards as well as developing responses in times of emergency.

The Plan adopts an all hazards approach to emergency management based on the 4Rs. Reduction, Readiness, Response and Recovery.



## What are the major changes?

There are a number of significant changes addressed by this Plan. Some of these are:-

- It is a region-wide Plan.
- It includes an all hazards approach, rather than just natural hazards.
- It covers threats to life and property, rather than just life.
- All responding agencies in Taranaki will work under a coordinated management system structure which provides an integrated approach to emergency management.

## What hazards are identified?

The CDEM plan identifies the ten most significant hazards and ranks them in order of likelihood to occur.

The ten identified hazards are:-

- 1 Public health threat
- 2 Flooding in the eastern hill country
- 3 Earthquake
- 4 Volcanic eruption of Mt Taranaki
- 5 Flooding in the lower Waitara River
- 6 Structural failure such as the Patea Dam
- 7 Utility failure such as a small community water supply failure
- 8 High winds
- 9 Exotic animal disease
- 10 Hazardous substances

Other less significant hazards such as:

- Volcanic eruption, from distant source - tephra, volcanic gases and acid rains = low risk
- Subsidence = low risk
- Fog = low risk
- Structural failure, small structure = low risk
- Vegetation fire = low risk
- Small community water supply sewerage and storm water = low risk
- Essential services failure, Police = low risk because the likelihood is rare.

All hazards were analysed and evaluated based on NZS4360 and the SMUG model criteria which looks at the seriousness, manageability, urgency and growth. This is the recommended formula which has been adopted by CDEM groups around the country.

## How will the Public be informed about the changes?

The Group Plan, along with other documents, will be available on the district and Regional Council websites. It is highly likely that the Taranaki CDEM Group will run an extensive awareness campaign to increase community awareness when the Plan has received final approval. All existing information will be updated to reflect the changes and these will then be made available to schools, organisations, industry and the general community. Staff will also be available to give presentations to community groups.

## Where can we get further information?

The Group Plan and other documents can be obtained from:-

- Taranaki Regional Council, Private Bag 713, Stratford
- [www.trc.govt.nz](http://www.trc.govt.nz)
- [www.mcdem.govt.nz](http://www.mcdem.govt.nz)
- [www.newplymouthnz.co.nz](http://www.newplymouthnz.co.nz)
- [www.stratfordnz.co.nz](http://www.stratfordnz.co.nz)
- [www.stdc.govt.nz](http://www.stdc.govt.nz)



## Reminder

There will be Care Facilities Emergency Planning workshops conducted to ensure assistance to Board of Trustees, school staff, early childhood staff and management, plus rest home managers and staff conducted as follows:

- **Tuesday, 5 October - 7pm**  
Stratford War Memorial Function Centre
- **Wednesday, 6 October - 7pm**  
Hawera Community Centre
- **Wednesday 27 October - 7pm**  
Emergency Management Office, NP
- **Thursday, 28 October - 7pm**  
Emergency Management Office, NP

No.1

**PUBLIC HEALTH THREAT**

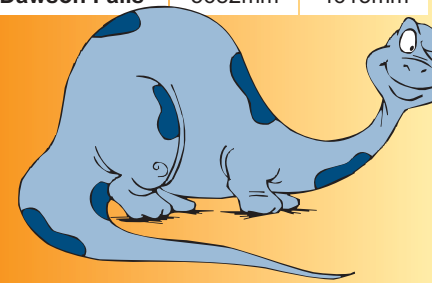


The SAR's virus spread rapidly, leaving the world on edge.

## Graphing

Parts of our region have had a particularly wet first half of the year. Using the data provided draw a double bar graph to show the yearly average and January-July actual rainfall figures for the sites below.

	Annual average	Jan-July actual
Waitara	1541mm	909mm
Hawera	1176mm	665mm
Opunake	1136mm	961mm
Stratford	2019mm	1396mm
New Plymouth	1548mm	1323mm
Inglewood	2349mm	1754mm
North Egmont	6800mm	5432mm
Dawson Falls	5682mm	4615mm



These figures and additional data are available on [www.trc.govt.nz/weather](http://www.trc.govt.nz/weather)

## Word find

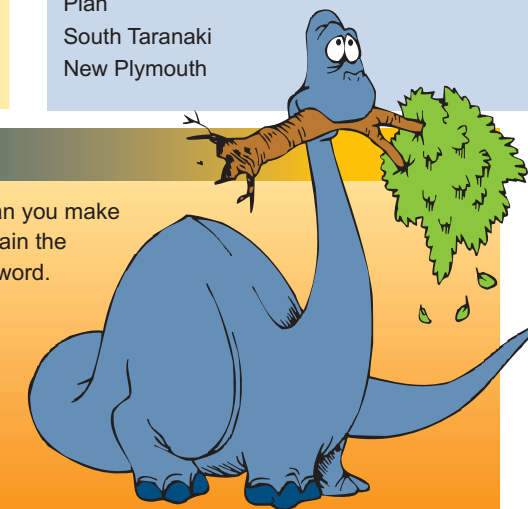
See if you can find the words listed below.

Act	S	O	U	T	H	T	A	R	A	N	A	K	I
Civil	S	E	H	Y	T	R	E	P	O	R	P	F	L
Defence	E	Z	D	E	U	C	N	E	G	A	N	A	M
Earthquake	N	F	D	R	O	F	T	A	R	T	S	D	W
Failure	I	L	I	U	M	S	V	R	T	P	C	R	C
Flood	D	O	Z	L	Y	E	O	T	S	U	Y	A	I
Group	A	O	D	I	L	R	L	H	V	O	R	Z	V
Hazard	E	D	N	A	P	V	C	Q	O	R	P	A	I
Service	R	I	O	F	W	I	A	U	Q	G	U	H	L
Stratford	I	N	P	S	E	C	N	A	T	S	B	U	S
Substances	S	G	S	M	N	E	I	K	Q	P	L	A	N
Volcanic	K	D	E	F	E	N	C	E	D	N	I	W	C
Wind	Q	A	R	E	V	O	C	E	R	S	C	E	P
Property													
Public													
Readiness													
Recover													
Respond													
Risk													
Life													
Manage													
Natural													
Flooding													
Plan													
South Taranaki													
New Plymouth													

## Target word

How many words of four or more letters can you make from the grid below? Each word must contain the centre letter. You must get one nine-letter word.

R	S	A	10	Fair
S	E	E	15	Good
D	N	I	20+	Excellent



## Match-up

Match the word on the left with the correct definition from the right column.

1 natural	A	to come before	
2 property	B	a danger	
3 community	C	caused by nature	
4 eruption	D	staff, or workers	
5 previous	E	people's belongings or assets	
6 personnel	F	an outpouring from a volcano	
7 train	G	people who live in a particular area	
8 hazard	H	to teach or inform	



## Mix-up

The jumbled words below are names of common sports. Can you unscramble them?

- 1 OHKYE C
- 2 CCOSRE
- 3 STINNE
- 4 URBYG
- 5 SSHQAU
- 6 TECCKIR
- 7 NEALLBT
- 8 BKLSTEALABA
- 9 FOLG
- 10 BAOSTLFL