



Adopt A Stream

Join the flood of schools in the hall of fame!

Schools that did the Adopt A Stream programme in 2009 were:

Albany Junior High School
 Central Auckland Middle School
 Cornwall Park School
 Drury School
 Finlayson Park School
 Glendowie Primary
 Glenfield School
 Hay Park School
 Howick Intermediate
 Hunua School
 Kaiaua School
 Konini School
 Kristin School
 Lynfield YMCA
 Maraetai Beach School
 Mission Heights Junior College
 Mt Eden Normal School
 Northcross Intermediate



Okiwi School, Great Barrier Island
 Onehunga Primary
 Parnell School
 Pigeon Mountain School
 Point View School
 Ramarama School
 Reremoana School
 Robertson Road School, Mangere
 Sherwood Primary, Browns Bay
 South Auckland Gifted Children Assoc.
 St Dominics School, Blockhouse Bay
 St Kentigern College
 St Therese School, Hillsborough
 Sunnybrae School
 Sylvia Park School
 Waikowhai Intermediate
 Western Heights School
 Westmere School



Hands-on fun with Adopt A Stream



Adopt A Stream is a great way to get children engaged in enquiry-based learning. Pupils can use their research and study skills to find out about the quality of their local waterway and what kind of life it is capable of supporting. To find out more about the programme please contact Watercare's Adopt A Stream project co-ordinator Sally Smith on 09 5397316 or email ssmith@water.co.nz

22 March: World Water Day – The 2010 theme is 'Communicating water quality challenges and opportunities'. It is just as important to think about how we can keep our water clean as about how much water there is in the world. www.worldwaterday.org



To request either a CD (two maximum) package or a series of PDFs please email Sally Smith with your school's full postal address and stating your preferred format.

If you requested a 2009 pack you will receive an automatic update by email incorporating this year's theme. If you have changed your email address since March 2009, please email Sally.

Other environmental events in Term 1

2 February – World Wetlands Day

The National Wetland Trust runs a national World Wetlands Day event every year. The theme for this year is 'Caring for wetlands – an answer to climate change'. www.wetlandtrust.org.nz

7–14 March – Seaweeek

This year's theme is 'Oceans of Life – ours to explore; ours to restore'. www.seaweeek.org.nz

27 March 8.30pm – Earth Hour

Earth Hour shows that a simple energy-saving act repeated by many can make a difference and symbolises the massive public support for continued action on climate change. www.earthhour.org

22 April – Earth Day

This day recognises the power of people to create change by taking small steps in their homes, their schools and businesses that add up to an enormous collective action promoting sustainability – A Billion Acts of Green. www.earthday.net

Adopt A Stream was developed by Watercare as a free environmental education resource kit for school students in the Auckland region.

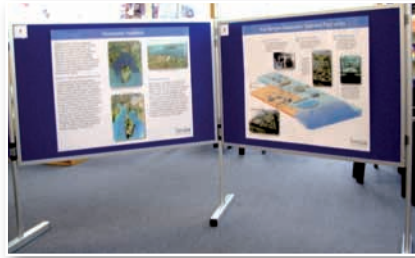
Phone: (09) 539 7316 • Email: ssmith@water.co.nz • Website: www.watercare.co.nz



Adopt A Stream An environmental education programme

Book yourself a library display

If you would like some information to support you and your pupils in their quest for knowledge about drinking and wastewater, why not use the Watercare library display to start you on your journey?



The display comes in four sections which can fit into individual classes or school libraries, and it easily concertinas out of the way when it is not needed.

The display has a readymade set of questions for pupils and answers for teachers. The display will be brought to you and set up, then left for a two week period before being collected. The display is free to schools in Greater Auckland and can be obtained by phoning Sally Smith.

Be on board the Rain Forest Express in 2010

Come and experience the delights of the Upper Nihotupu Dam and storage lake for yourselves.

See where Auckland's drinking water is collected and track the route of the water pipeline as you ride the Rain Forest Express train through the bush.

To make a booking and to receive your own 80 page book of related activities (CD format) please contact Sam Schofield on 09 302 8028. Don't forget if you haven't got your own waterway you can do some Adopt A Stream water testing at the Nihotupu Stream as part of your half walk/half ride option.

For more information on the water testing option please phone Sally Smith.



Macroinvertebrate Fact File 4

Water Mites - sensitivity scale 6

- Water Mites are 1 to 5 mm long
- They are members of the spider family, but with one distinctive difference. Whereas spiders have two separate portions to their bodies, these mites only have one. The moveable head is attached to the body by a hinge
- Their smooth flat bodies appear as specks in the water. They are often red or red and black in colour
- They swim in slow flowing and shallow water among plants. Some mites are excellent swimmers, smoothly gliding through the water as their eight legs work furiously to propel them. Others are content to poke among plant debris at the bottom
- As adults, most of the water mites are carnivorous and predatory in nature; seeking out and feasting upon worms and insects
- The larvae of water mites are parasites. They attach themselves to the host using their piercing mouthparts and suck the life juices out of the host larva of another aquatic creature such as a fly, mosquito, dragonfly or stonefly
- Some types of mites are more similar to dust mites; non-threatening to any species, and feeding only on discarded casts or organic material



Water Mites

Freshwater Bug Fact File 4

Collect the fact files, laminate them and put them on to a key ring to produce a macroinvertebrate reference guide.

For Adopt A Stream please contact Sally Smith:

Phone: (09) 539 7316 • Mobile: 021 987 316 • Email: ssmith@water.co.nz

To charter the Rain Forest Express please call (09) 302 8028