

Pools in Schoolz



Welcome

David Brown - *Trustee & Chairman*

Haydn Edmonds - *Trustee (Ngati Wai)*

Ian Ferguson - *Trustee*

Ian Calhaem - *Trustee*

Pools iN
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Mission

- To ensure low decile primary schools have the facilities to teach water safety education

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How did it start?

- If it is impractical to take the kids to a pool, why not take a pool to the kids?

(Dec 2009)

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Issues

- Lack of a suitable pool nearby
- Cost of pool entry
- Cost of transport
- Travel time

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Pilot Pool

- Pilot pool installed at Redhill primary – term 1, 2010
 - 5 x 10 m borrowed pool
 - Marquee cover
 - Borrowed pool fencing
 - Platform for teaching (modified during trial)
 - Support from
 - Watersafe Auckland
 - Papakura Council
 - Fire Service

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Pilot Pool

- Watersafe Auckland
 - is funded through the *Auckland Regional Amenities Funding Act* and provides
 - Professional Development for teachers
 - Guidance for swimming tuition
- Papakura Council
 - checked compliance with *Fencing of Swimming Pools Act* and with *Building Code for the Marquee*
- United Water and the Fire brigade
 - arranged the water

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17/02/2012

23/02/2010

Pools iN SchoolZ



Pilot Pool - outcomes

- The local community arranged a Neighbourhood Support group to look after the pool
- Attendance at the school increased as pupils did not want to miss out on their swimming lessons
- By end of the term every child in the school could “swim”

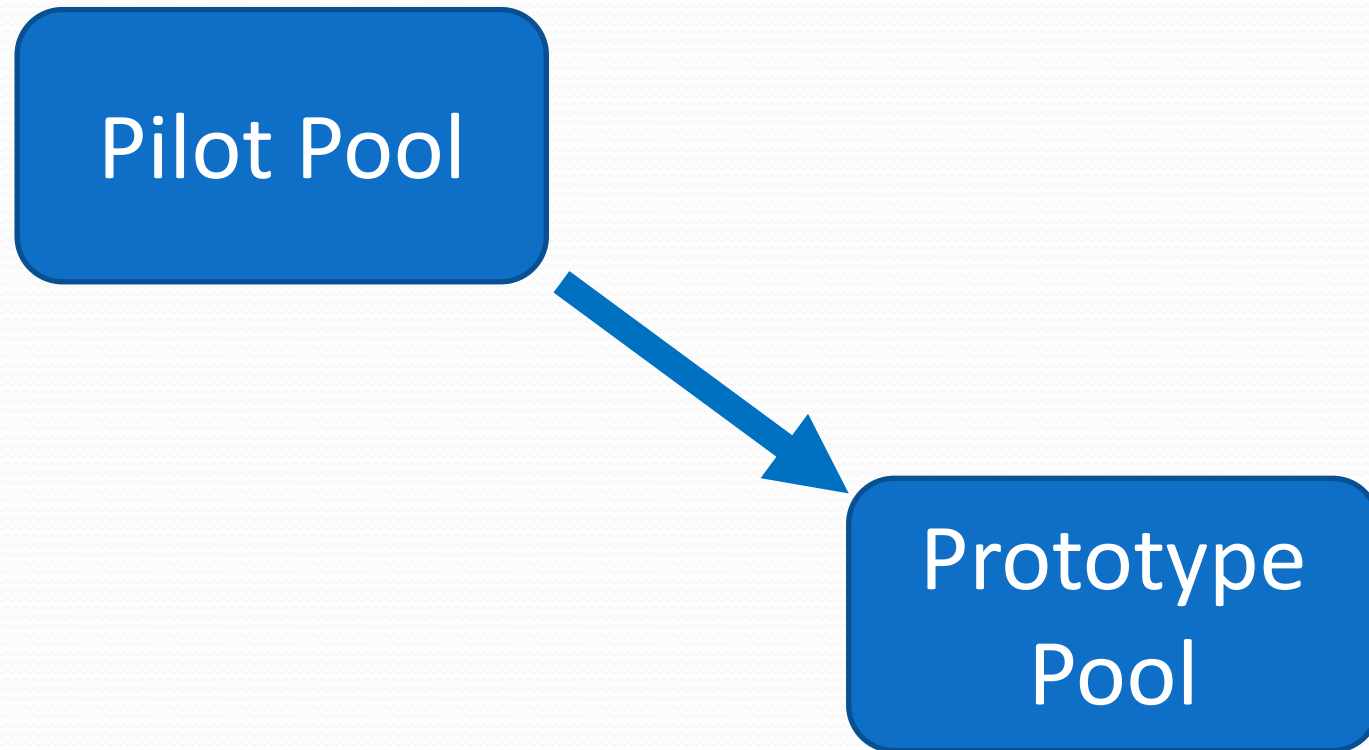
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Pilot Pool - outcomes

- The equipment worked well but
 - Heating would be an advantage for the colder months
 - The plumbing and filters took too long to set up and dismantle.

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Developments



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Prototype Pool

- Pool ordered from overseas (3.9 x 9.5m)
- Trailer designed to transport all equipment and to house filters, pump, water treatment and heat pump.
- Pool fence with a pool gate at each end of the marquee
- Included a Heat pump



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Pools IN Schools



Prototype Pool

- Sport Auckland
 - provided fund to Watersafe Auckland to install in 8 schools over 2 years
- Watersafe Auckland
 - Installed at Pt England School – term 4
 - Then installed at
 - Silvia Park School
 - St Patricks School
 - Xavier School
 - Others unknown



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Prototype Pool



Prototype Pool



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January 2011

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January 2011

- 19 people drowned in New Zealand
- More school pools closed
- Watersafe Auckland had not made progress in obtaining funds for more pools

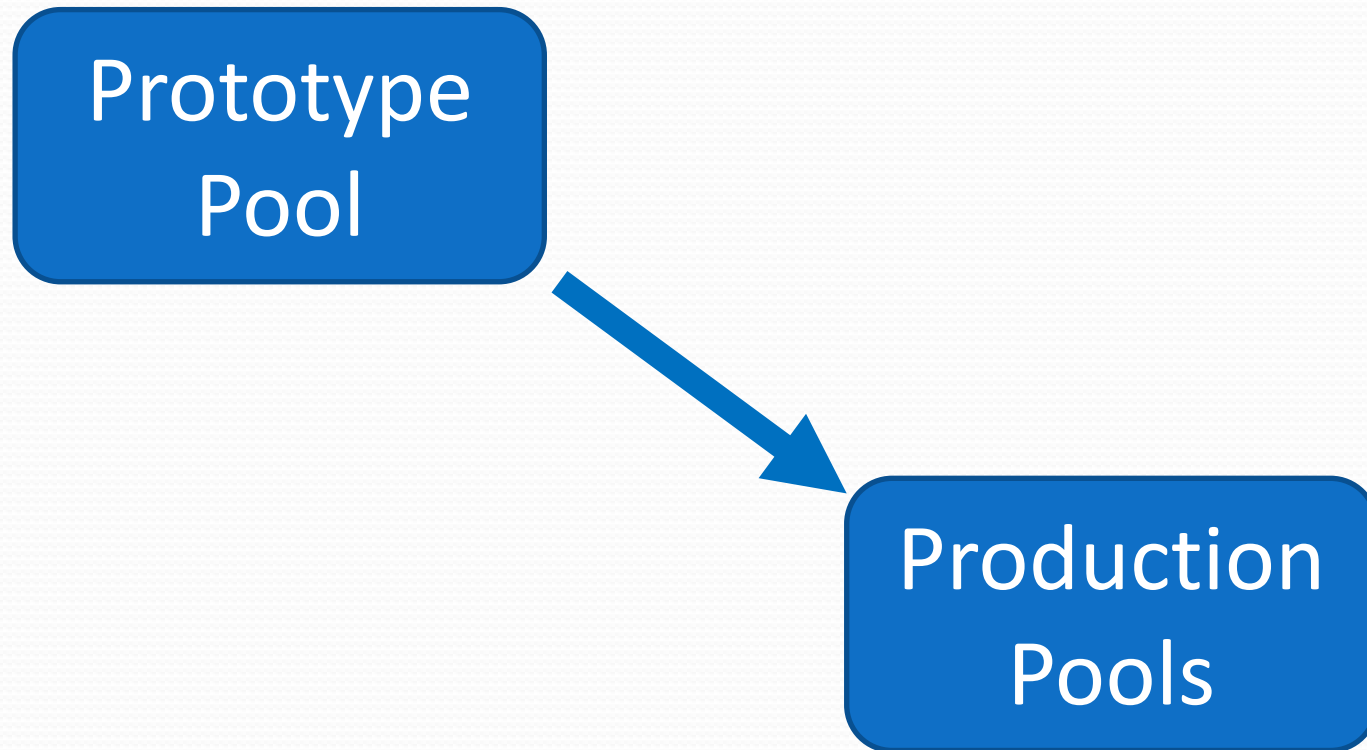
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January 2011

- Adam Brown Water Safety Trust formed
 - David Brown - *Trustee & Chairman*
 - Haydn Edmonds - *Trustee (Ngati Wai)*
 - Ian Ferguson - *Trustee*
 - Ian Calhaem - *Trustee*
- Sponsorship and other funding organised for 6 pools
- Suppliers workshop held to see if it was possible to build 6 pools for the beginning of Term 2

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Developments



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January 2011

- Pools ordered from overseas
 - Plumbing to our specifications for more efficient water overturn
 - Made wider (5.2 x 9.5 m)
- Trailers basically same as prototype
 - SubZero Heat Pump to cater for South Island temperatures
 - Video Camera installed in trailer
- Pool fence at each end of the marquee with a pool gate

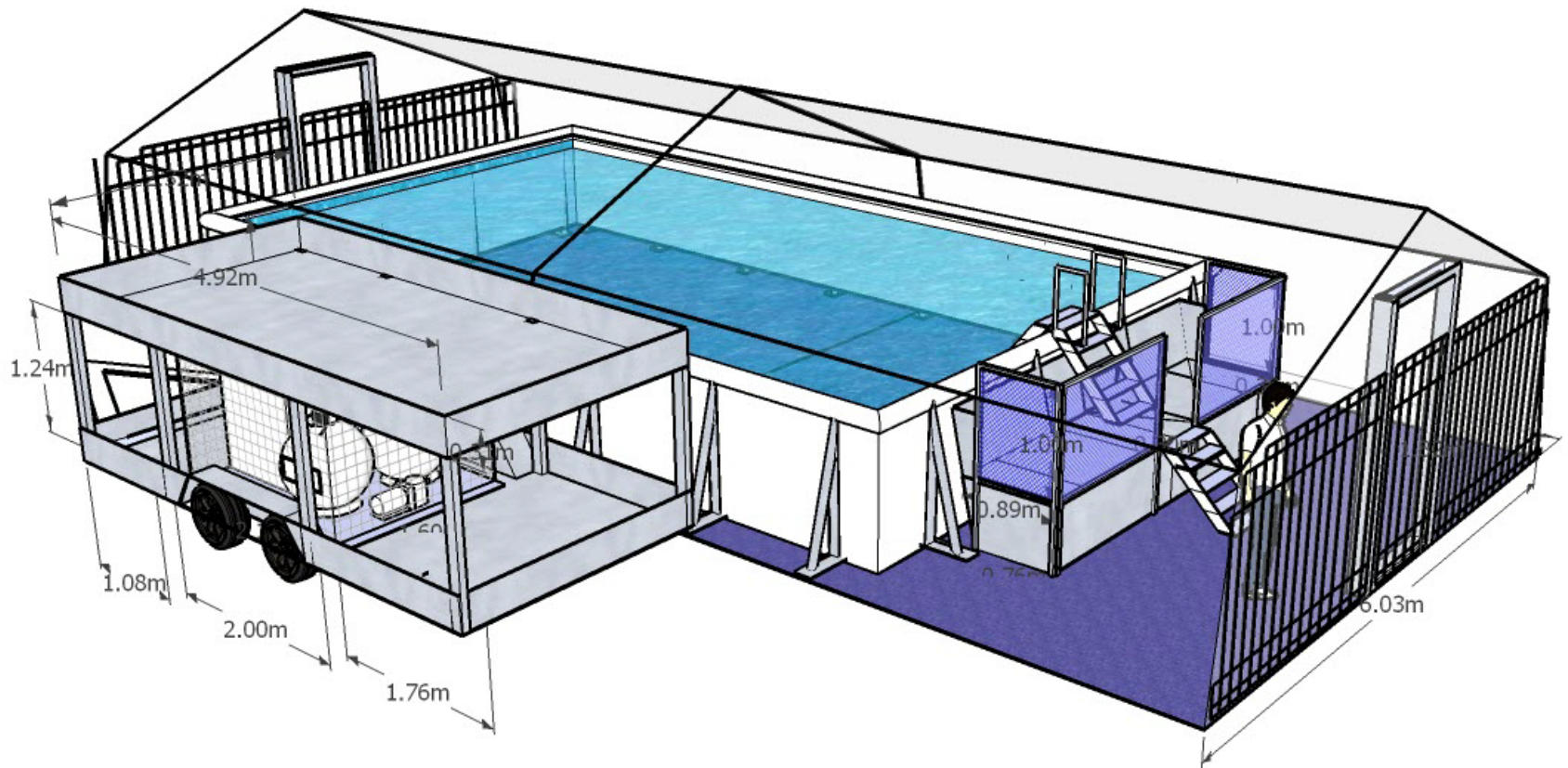
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January 2011

- Platform / storage boxes
 - designed and built
 - surround fence installed as 2nd layer of protection
 - removable to cater for wheelchair access
- Buoyancy Aids designed and supplied by Hutchwilco
- Electronic water quality testing kits
- Security Wire added to bottom of marquee walls

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Production Pool



Pools iN
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Production Pool



Pools iN
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Production Pool



Pools iN
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Production Pool



Testing

- Testing kit
- Incident response recommendations
- Chemical dosing tables for this pool

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Production Pool



Pools iN
SchoolZ

Production Pool



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January 2012

- 6 more Pools ordered from overseas
- Trailers – no change
- Pool fence and gates unchanged
- Teaching and access platform upgraded
- Marquees manufactured with security pockets

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January 2012

- Teaching and access platform
 - Quicker to build
 - Easier to store on trailer
 - Pipe construction with polycarbonate security wall making it pool fence compliant.
 - Steps fold up to form pool “gate” when not in use

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January 2012



Pools iN
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January 2012



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Pools iN SchoolZ Trust

What does the Trust do?

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- Provision of pool and infrastructure
 - Transport
 - Erection
 - Water Quality
 - Dismantling
 - Maintenance and repair
 - Storing and insurance

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- Design Goals
 - Safety
 - Conformity to standards
 - Ease of use
 - Cost effectiveness
 - Easy of assembly and disassembly

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- School Criteria
 - Schools will demonstrate a commitment to water safety education
 - Low decile levels preferred until more pools are available
 - 4 or more schools grouping together is ideal
 - Each school or school group will get the pool for 1 term per year

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- Community participation
 - Goal is for a pools and the school group to be self sufficient
 - Parents assist in installation and
 - At the end of term disassembly with parents from next school
 - Community assist school with supervision whilst teachers involved with swimming lessons
 - Parents usually want to come and observe

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Installation



Oranga Primary – parent helpers

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Installation



Oranga Primary – parent helpers

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Installation



Oranga Primary

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Installation



Oranga Primary - filling

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Installation



Oranga Primary

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Installation



Oranga Primary – excited pupils

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Installation



Birdwood Primary

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What does it cost?

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Capital \$55,000 + gst

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Includes

- Trailer
- Heat pump, filters etc
- Pool frame, liner and cover
- Marquee
- Pool gates and fencing
- Platforms
- Teaching equipment
 - Buoyancy aids
 - Flutter boards

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Operating Cost per term \$2500

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- School operating costs
 - Electricity
 - Water
 - Chemicals
 - Testing
- \$ 242 per week

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- School operating costs
 - Electricity
 - Last term schools reported varying costs but it was extracted from bulk account
 - This term we have installed a KWh meter in a trailer
 - We have calculated maximum use based on running heat pump 100% of the time
 - Expected winter cost at 70%
 - \$ 169 per week

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- School operating costs
 - Electricity
 - Latest trailers have a timer so that the heat pump can be turned off for a period each night.
 - It is expected that this could save up to 25% of the power.
 - \$ 126 per week – if 25% savings

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- School operating costs
 - Water
 - Pools iN SchoolZ has a sponsor providing free water in the Auckland, Whangarei and Far North districts
 - Insurance
 - Pools iN SchoolZ has negotiated with MOE insurer for free cover whilst at the school
 - \$ 0 per week

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- School operating costs
 - Chemicals
 - Pools iN SchoolZ has a sponsor providing chemicals well below wholesale prices
 - Chlorine is an unknown as it varies considerably with the pool maintenance
 - \$ 20 per week +

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- School operating costs
 - Testing
 - Biological testing (2 per term)
 - Caretaker allowance (for daily testing)
 - \$ 48 per week

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- School operating costs
 - With 250 pupils schools have achieved
 - 3 lessons per pupil per week
 - 675 lessons per week (90% usage)

Cost per lesson

- 36 cents per lesson

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- School operating costs

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- Pool owner
 - Our guess is 5% of capital cost plus depreciation. We have identified a number of specific items which account for about 1/3rd of the total estimated cash cost.
 - Depreciation is based on an average life of 8 years. Components will depreciate at different rates.

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- Pool owner
 - Depreciation
 - Insurance when not at a school
 - Trailer WOF and Registration
 - Filter replenishment
- \$218 per week or
(assuming 40 weeks per year)

Cost per lesson

- 0.32 cents per lesson

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Where are the pools installed?

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- Kaitaia
- Whangarei
- West Auckland (2)
- South West Auckland (2)
- Penrose
- Mt Wellington
- South Auckland
- Kaiapoi
- Christchurch (2)

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Planned pools for 2012

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Ordered or seriously considering:

- River Project (fundraising)
- Christchurch (considering)
- Mt Wellington (ordered)
- Kaikohe (ordered)

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Under Consideration:

- Nuie ?
- Wanaka ?
- Gisborne ?
- Rotorua ?
- Waiuku ?
- TAURANGA

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Christchurch / Kaiapoi / Linwood

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Kaiapoi



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Kaiapoi



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Kaiapoi



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Kaiapoi



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Queenspark



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Linwood



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Linwood



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Outcomes Term 3

- Each child received 10 lessons delivered by the Swim for Life Leader
- 258 students were involved in the program
- 13 teachers were present at the poolside
- 8500 student lessons have been delivered
- 13 teachers will be involved in the free Austswim teacher training professional development day

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Outcomes

- Each child received
 - 10 lessons from the professional instructor
 - 22 lessons from teachers
 - Teachers receive professional development
- Community involvement
 - Erection and dismantling a community effort

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Issues

- Organisation of volunteers
 - Each school proved 6 volunteers who assist taking the pool down and re-erecting at the next school
- Provision of a suitable water supply
- School sites are not always level and levels require checking

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Summary

Based on actual chemicals and electricity
in Term 2

- Running cost \$242 per week
- 625 lessons per week
- 36 cents per lesson

Or

Including capital cost (conservative 8 yr life)

- 68 cents per lesson

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Summary

2011 facilities provided for
250,000 lessons per year from **6 pools**

**2012 we expect this to more than
double**

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The way forward

Three new pools just installed

- Christchurch – Term 1
- Field of Dreams (Manukau) – Term 1
- 4 Winds Trust (Manukau) – Term 1

Ordered pools

- Mt Wellington – Term 1
- Kaikohe – Term 2

Final approval stage

- Waikato River Alive Term 2 ?
- Mt Wellington Trust (No 2) – Term 2

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Future

Pools iN SchoolZ has become a reality in a short 5 months.

We purposely setup a minimal infrastructure so that the users could decide how it should operate rather than being dictated to by the Trust.

Now we must plan the future...

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Future

Communities have shown that they are capable of organising and managing the pools, including the shifts.

The Trust can and will remain the primary source of information for the running of the pools.

But local support is required in each area to manage the day to day questions, and to organise the shifts at the end of each term.

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Work shop ideas

- Volunteers
- Fund raising
- Site selection
- local managers / supervisors
- Other issues

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Why do we do it - because of the Kids!



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Because of the Kids!



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