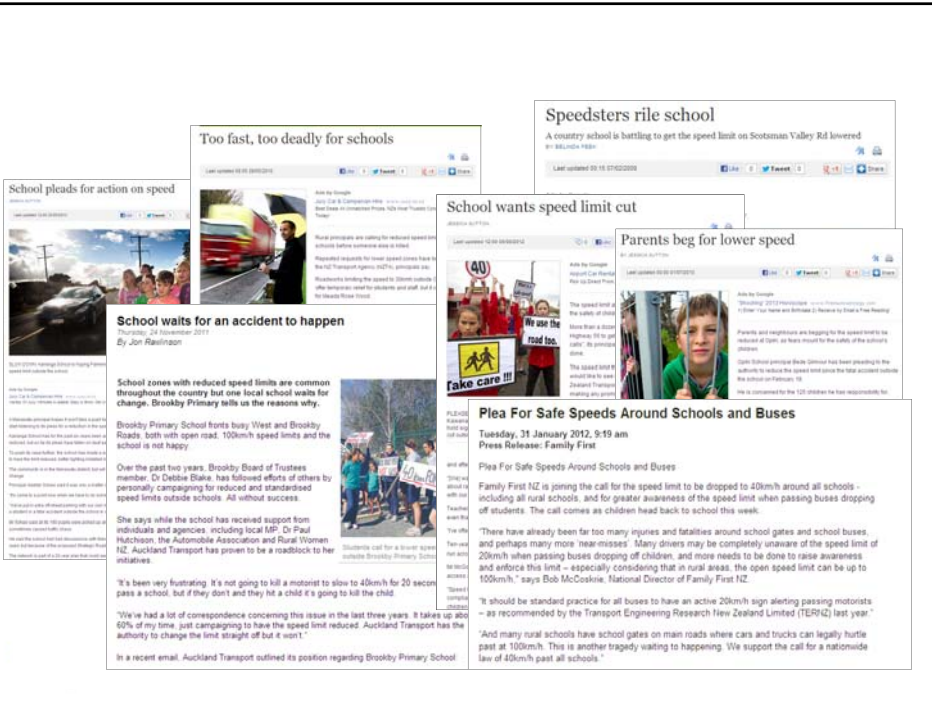


Rural Schools Variable Speed Limits Trial

15 April 2013
3M Traffic Safety Innovation Award

Mark Lilley, Hamish Mackie, Richard Bean, Colin Brodie, Kathy Mackenzie, Ken Holst



Too fast, too deadly for schools
Last updated 09:00 20/10/2011

School pleads for action on speed
Last updated 09:00 20/10/2011

School waits for an accident to happen
Thursday, 24 November 2011
By Jan Ravenscroft

School zones with reduced speed limits are common throughout the country but one local school waits for change. Brookby Primary tells us the reasons why.

Brookby Primary School fronts busy West and Brookby Roads, both with open road, 100km/h speed limits and the school is not happy.

Over the past two years, Brookby Board of Trustees member, Di Debbie Blake, has followed efforts of others by personally campaigning for reduced and standardised speed limits outside schools. All without success.

She says while the school has received support from individuals and agencies, including local MP, Dr Paul Hutchison, the Automobile Association and Rural Women NZ, Auckland Transport has proven to be a roadblock to her initiatives.

"It's been very frustrating. It's not going to kill a motorist to slow to 40km/h for 20 seconds pass a school, but if they don't and they hit a child it's going to kill the child."

"We've had a lot of correspondence concerning this issue in the last three years. It takes up about 60% of my time, just campaigning to have the speed limit reduced. Auckland Transport has the authority to change the limit straight off but it won't."

In a recent email, Auckland Transport outlined its position regarding Brookby Primary School.

Speedsters rile school
A country school is battling to get the speed limit on Scotsman Valley Rd lowered
By MELINDA HARRIS
Last updated 09:16 07/12/2008

School wants speed limit cut
Last updated 12:00 06/02/2012

Parents beg for lower speed
Last updated 09:00 07/07/10

Plea For Safe Speeds Around Schools and Buses
Tuesday, 31 January 2012, 9:19 am
Press Release: Family First

Plea For Safe Speeds Around Schools and Buses

Family First NZ is joining the call for the speed limit to be dropped to 40km/h around all schools - including all rural schools, and for greater awareness of the speed limit when passing buses dropping off students. The call comes as children head back to school this week.

"There have already been far too many injuries and fatalities around school gates and school buses, and perhaps many more 'near-misses'. Many drivers may be completely unaware of the speed limit of 20km/h when passing buses dropping off children, and more needs to be done to raise awareness and enforce this limit - especially considering that in rural areas, the open speed limit can be up to 100km/h," says Bob McCoskie, National Director of Family First NZ.

"It should be standard practice for all buses to have an active 20km/h sign alerting passing motorists - as recommended by the Transport Engineering Research New Zealand Limited (TERNZ) last year."

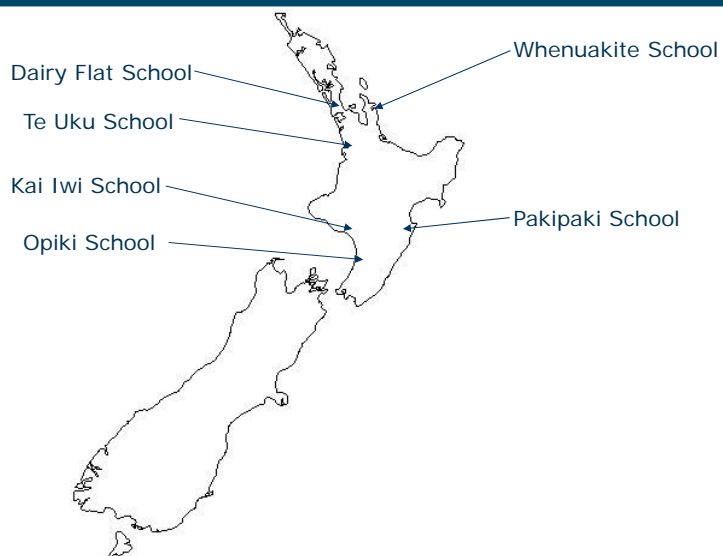
"And many rural schools have school gates on main roads where cars and trucks can legally hurtle past at 100km/h. This is another tragedy waiting to happen. We support the call for a nationwide law of 40km/h past all schools."

Rural School Road Safety Investigation

Objective: To gain a better understanding of the road safety issues faced by rural schools, and using a Safe System approach, recommend initiatives to improve road safety at rural schools



Six School Workshops



Main Concerns

- The road environment outside the school
- The design and operation of the school parking area
- School bus safety



State Highway 3 Kal Iwi School June 2011

Common Issues With The Road Environment

- Conspicuity
- Traffic speeds
- Overtaking
- Right turning



State Highway 3 Kal Iwi School June 2011

School Signs

Standard
School
Sign



School Signs

Standard 40km/h
School School
Sign Zone



Pedestrian Risk

School Signs

Standard
School
Sign



40km/h
School
Zone



Active
School
Warning Sign



Pedestrian Risk

School Signs

Standard
School
Sign



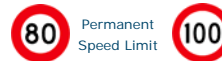
40km/h
School
Zone



Active
School
Warning Sign



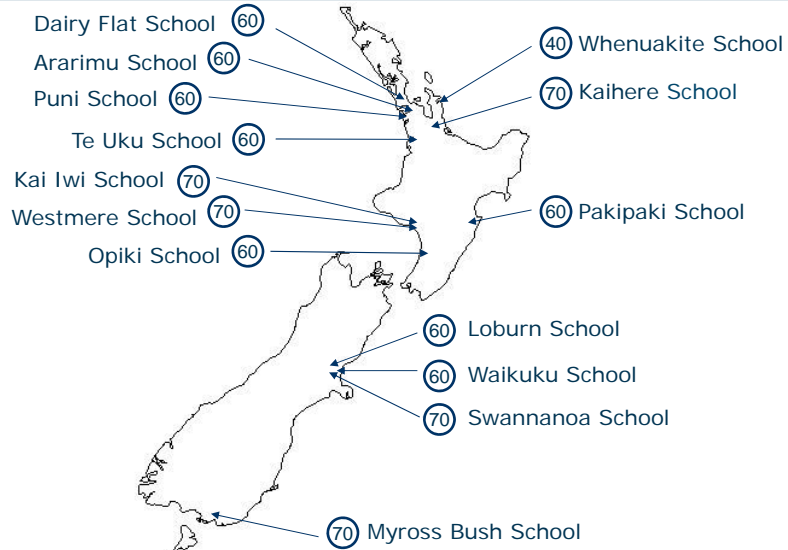
Rural School
Variable
Speed Limits Trial



Pedestrian Risk

Turning Vehicle Risk

Rural School Variable Speed Limits Trial Locations as at April 2013



Te Uku School Before/After



SH23 Westbound February 2012



SH23 Westbound March 2013

Te Uku School



State Highway 23 Te Uku School Southbound September 2012

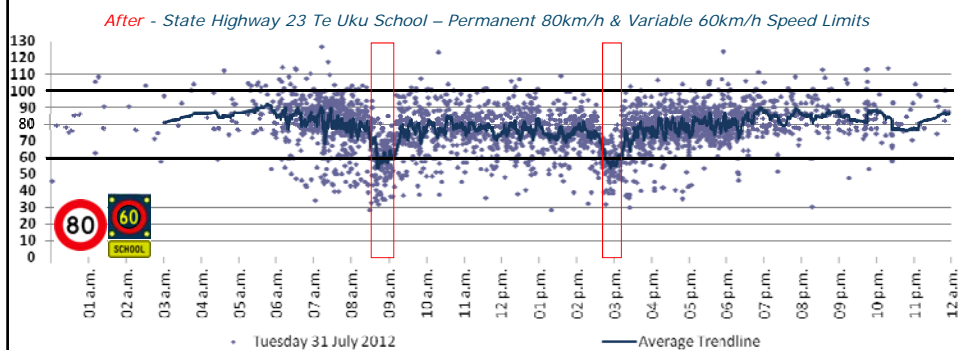


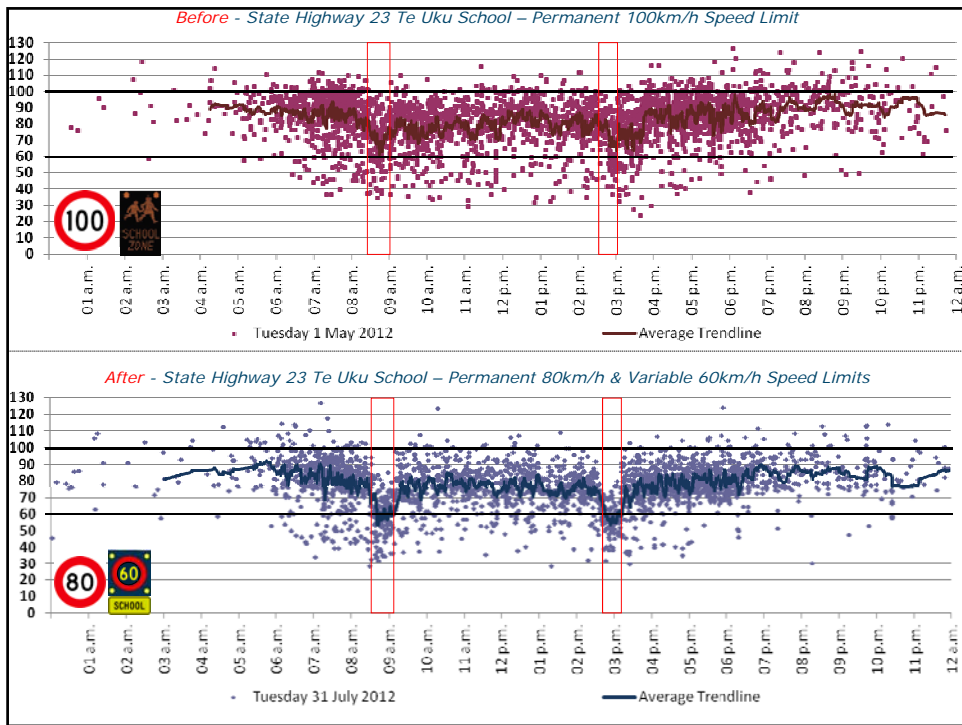
New Zealand Government

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Te Uku School Speed Counts

One day only results





Kaihere School Before/After



SH27 Southbound November 2011



SH27 Southbound April 2013

Kaihere School

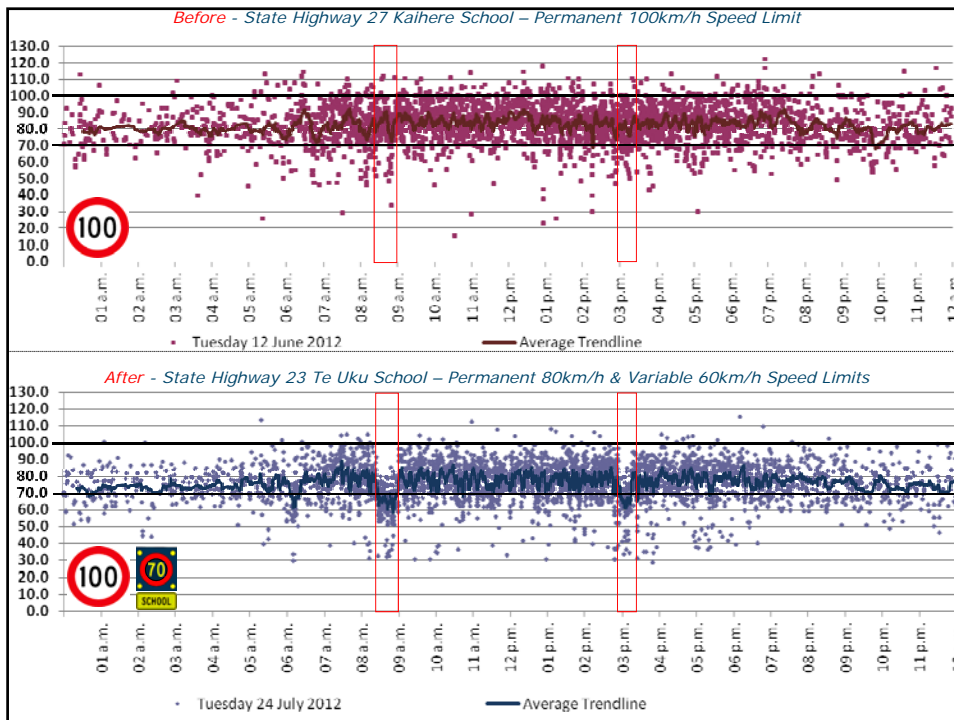


State Highway 27 Kaihere School Southbound December 2012



New Zealand Government

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Whenuakite School Before/After



SH25 Southbound June 2011



SH25 Southbound April 2013

Whenuakite School



State Highway 25 Whenuakite School Northbound June 2011

Whenuakite School



State Highway 25 Whenuakite School Southbound June 2011

Whenuakite School



State Highway 25 Whenuakite School Southbound June 2011

Whenuakite School

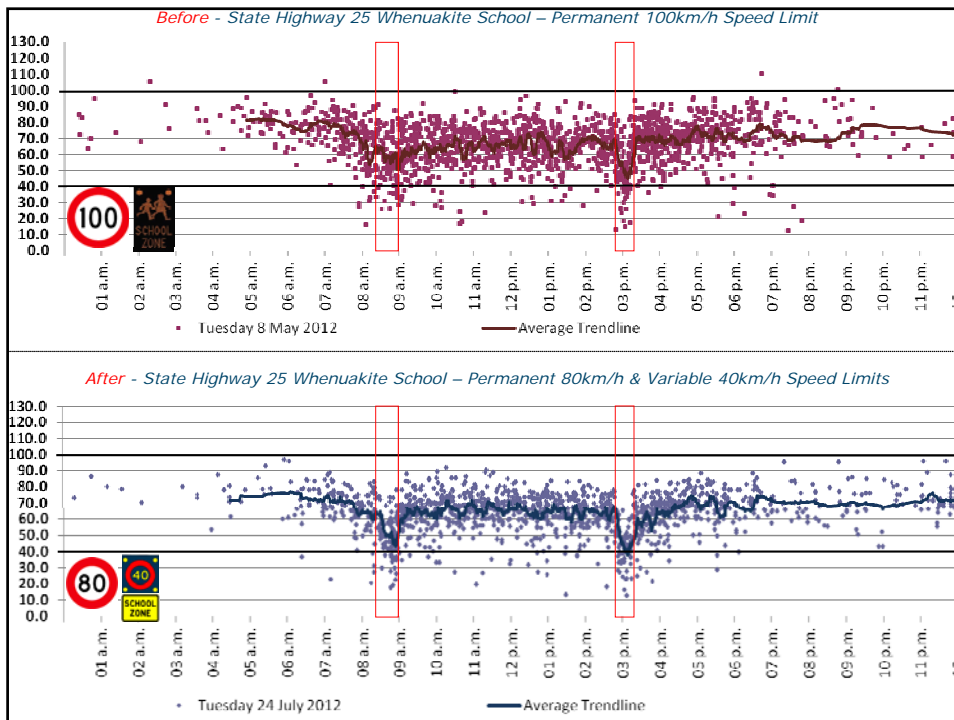


State Highway 25 Whenuakite School Northbound June 2011



New Zealand Government

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Speed Survey Results

Te Uku School – Speed data during school times 8:30-9:05am / 2:45-3:05pm

	Eastbound			Westbound		
Speed Limit (km/h)	100	80	60	100	80	60
Average (km/h)	65	70	62	70	70	63
85 th Percentile (km/h)	84	85	78	87	84	77

Kaihere School – Speed data during school times 8:25-9:00am / 2:55-3:15pm

	Northbound		Southbound	
Speed Limit (km/h)	100	70	100	70
Average (km/h)	81	71	85	66
85 th Percentile (km/h)	91	83	98	79

Whenuakite School – Speed data during school times 8:25-9:00am / 2:55-3:15pm

	Northbound			Southbound		
Speed Limit (km/h)	100	80	40	100	80	40
Average (km/h)	52	53	45	58	56	52
85 th Percentile (km/h)	70	70	59	74	69	68

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Thank You



<http://www.nzta.govt.nz/resources/rural-school-speed-management-trial/>

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