

School Pick up Spaces – How many are needed?



Jo Draper
Associate Transportation
Planner





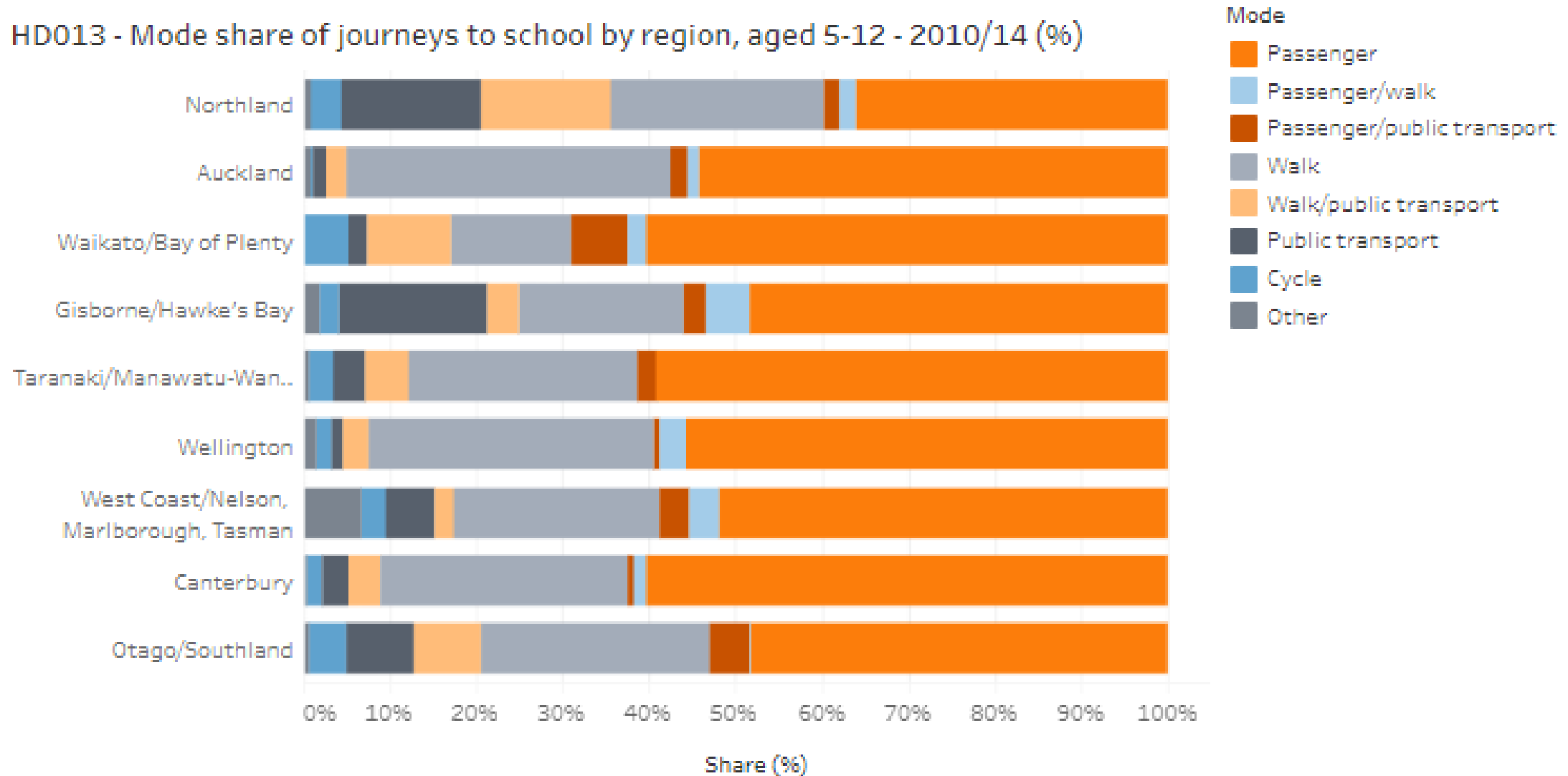
Where do we use pick up and drop off areas?

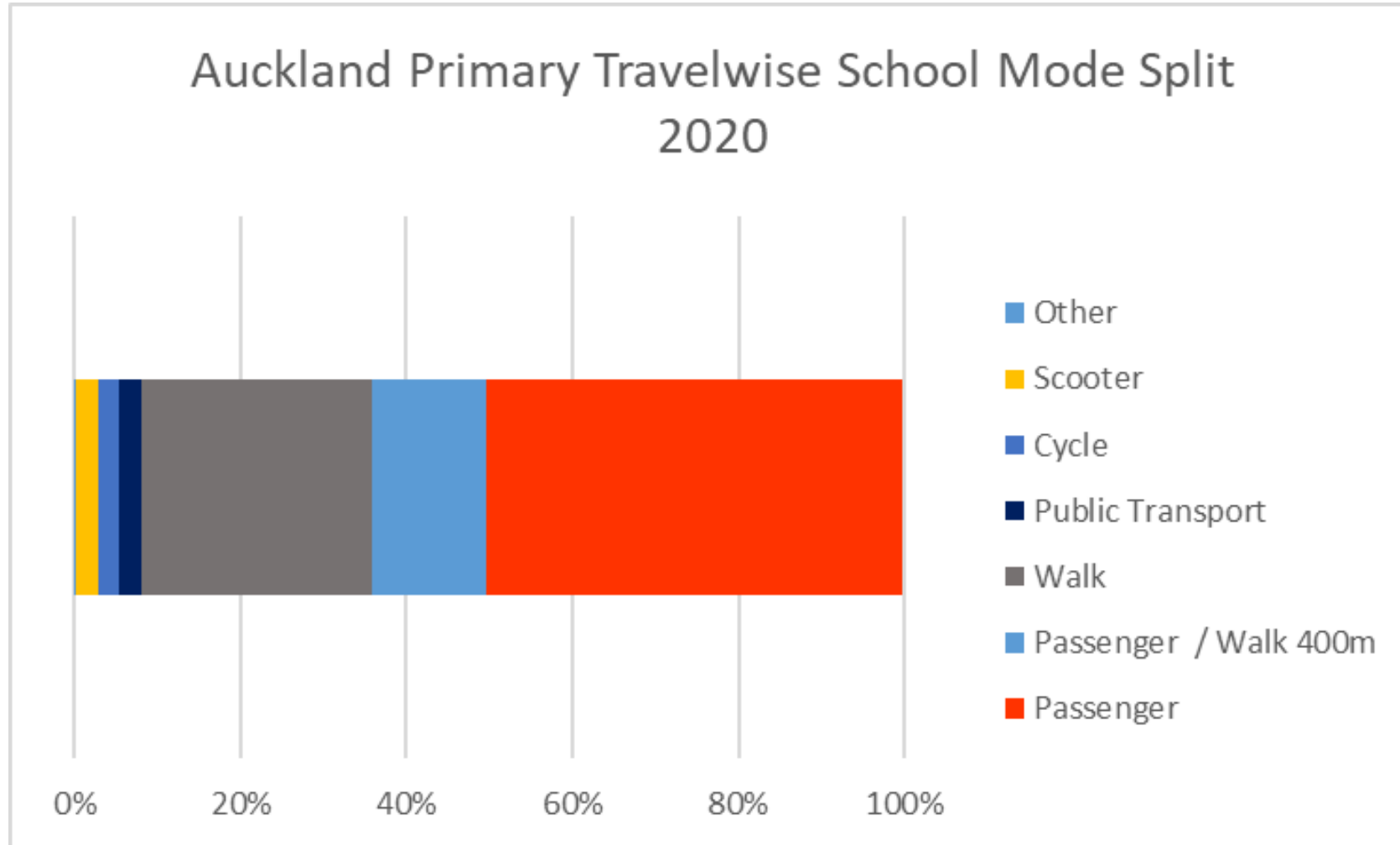




Mode share to primary school

HD013 - Mode share of journeys to school by region, aged 5-12 - 2010/14 (%)





Different ways to accommodate pick up and drop off

Dedicated PUDO areas



Park and Walk



On-street short stay

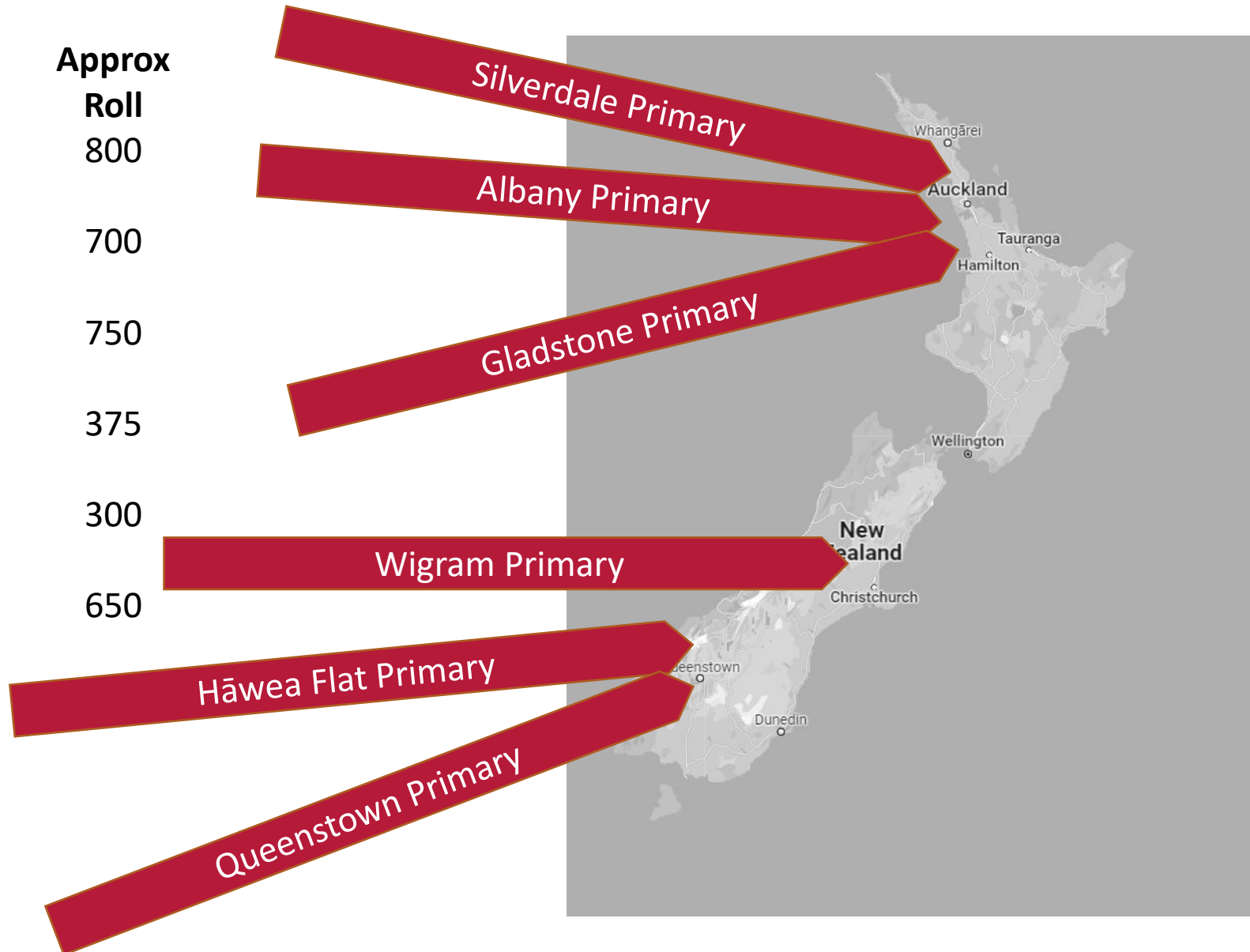


School

**Approx
Roll**

Silverdale Primary School,
Silverdale, Auckland
Albany Primary School, Albany,
Auckland
Gladstone Primary School, Mount
Albert, Auckland
Wigram Primary School, Wigram,
Christchurch
Hāwea Flat Primary School, Lake
Hāwea, Queenstown Lakes
Queenstown Primary School,
Queenstown, Queenstown Lakes

800
700
750
375
300
650



Components of Demand for PUDO

- Demographic Factors
 - Catchment
 - School type
 - Vehicle occupancy
- Behavioural Factors
 - Modal split
 - Dwell time in PUDO
 - PUDO time period
 - Mornings and afternoons
- Management Factors
 - Parking availability around schools
 - Presence of travel plan features
 - Management of PUDO



Survey Results

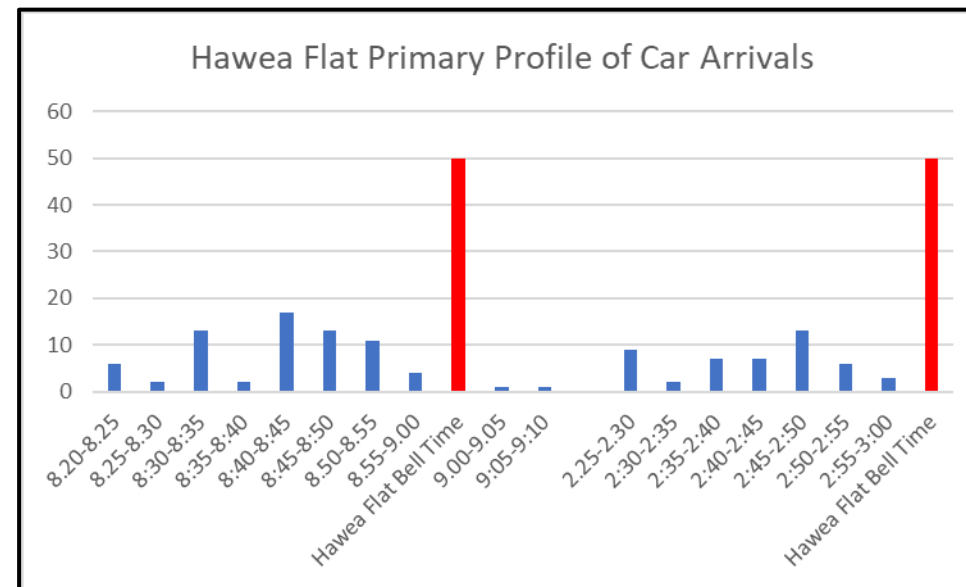
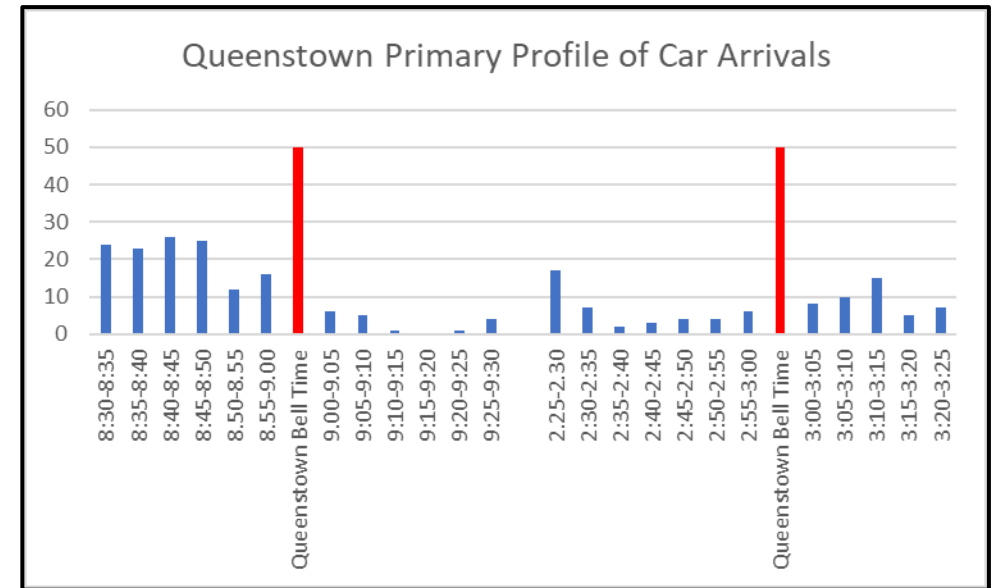
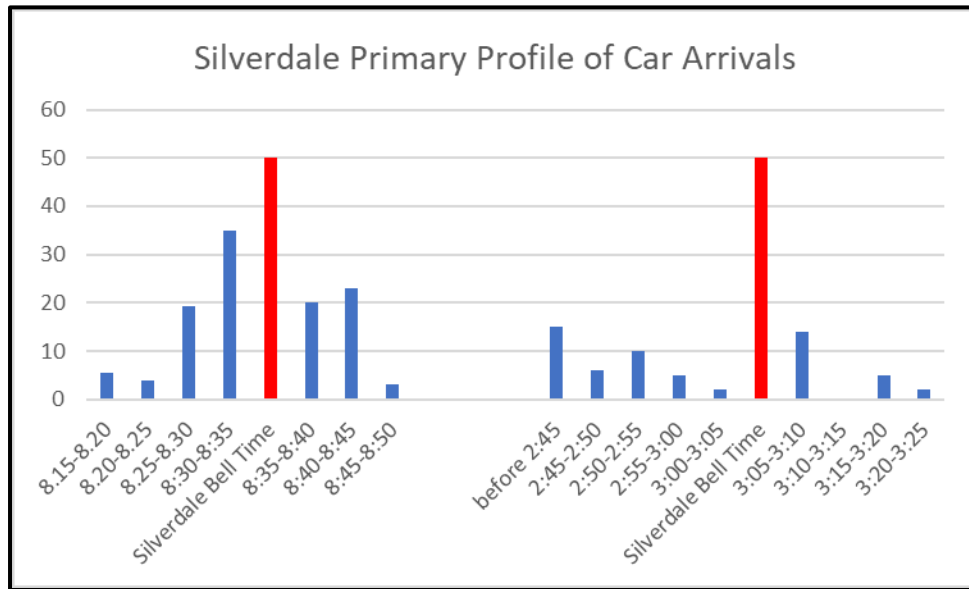
Children per vehicle	
Gladstone Primary	1.4
RR467	1.4

Dwell Time (seconds)	AM Peak	PM Peak
Gladstone Primary	38	
Queenstown Primary	46	120
Albany Primary		36/95*

*Ready to depart/able to depart

School	Locations Surveyed	Total AM Vehicles	Total PM Vehicles	PM as % AM
Wigram Primary	Kittyhawk Avenue and Curtis Street	165	85	51%
Silverdale Primary	PUDO area outside school	110	59	54%
Queenstown Primary	PUDO zone and P15 zone	143	88	61%
Hāwea Flat Primary	Camp Hill Road car park	70	38	54%

Arrival Profile



Process for calculating required PUDO spaces



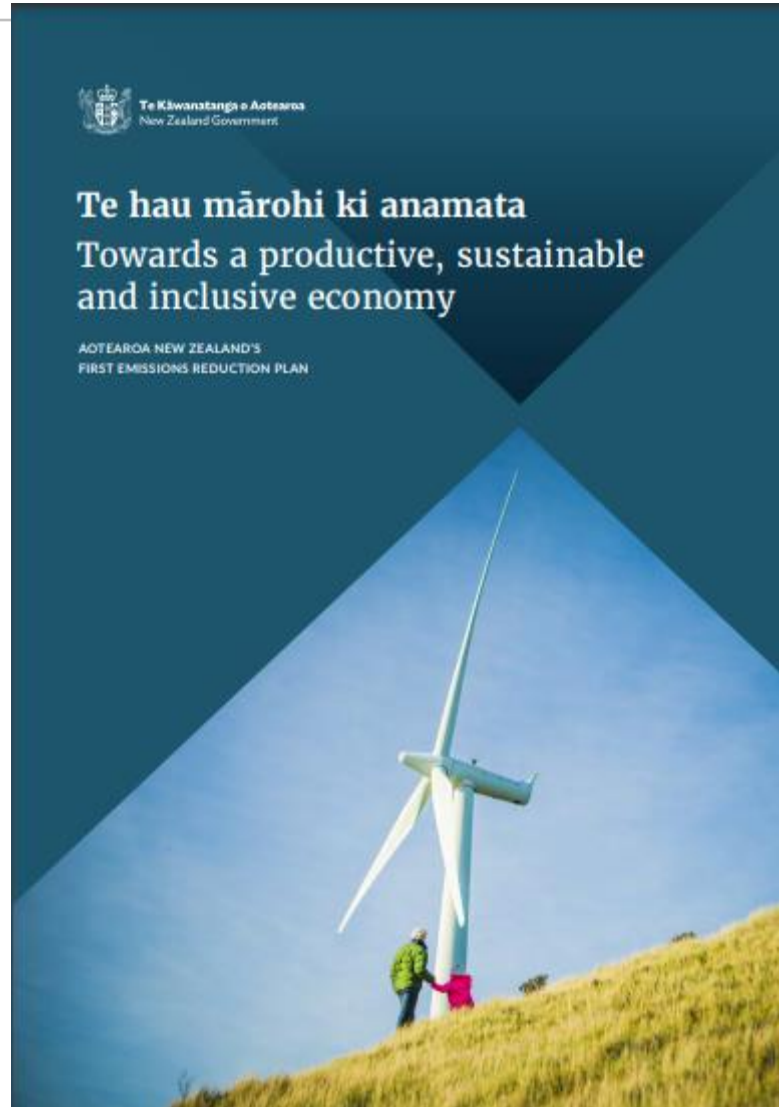
RMA

7 Other matters

In achieving the purpose of this Act, all persons exercising functions and powers under it, in relation to managing the use, development, and protection of natural and physical resources, shall have particular regard to—

- (a) kaitiakitanga:
- (aa) the ethic of stewardship:
- (b) the efficient use and development of natural and physical resources:**
- (ba) the efficiency of the end use of energy:
- (c) the maintenance and enhancement of amenity values:
- (d) intrinsic values of ecosystems:
- (e) *[Repealed]*
- (f) maintenance and enhancement of the quality of the environment:
- (g) any finite characteristics of natural and physical resources:
- (h) the protection of the habitat of trout and salmon:
- (i) the effects of climate change:
- (j) the benefits to be derived from the use and development of renewable energy.

ERP



NEW ZEALAND / TRANSPORT

Auckland boy hit by car outside

8:19 pm on 17 March 2017

A boy has been taken to Starship Hospital with serious injuries after he was hit by a car. Police said the crash happened outside St Dominic's College in Henderson just after school. Rathgar Road was blocked and diversions were in place.

Boy run over while scooting during rush hour after school pick-up

Tatiana Gibbs and Poppy Clark · 08:58, Mar 15 2023



Child in critical condition after crash at east Auckland primary school

Auckland reporters · 10:57, Mar 23 2021



Whangārei student in critical condition after getting hit by a car while trying to catch bus



NZ Herald

22 Mar, 2023 03:58 PM Quick Read

Save Share



The boy was transported to Auckland Hospital by helicopter. Photo / Jason Oxenham

A Whangārei student was airlifted to hospital in a critical condition this morning after he was hit by a car while crossing the road to catch a bus to school.



Thursday, 19 March 2015

School-run mum crashes into young girls



News > National

One of the responding officers to a crash that left three children in hospital said it was "unacceptable" for young children to be walking to school without adult supervision.

The three victims - two 5-year-old girls and a 10-year-old girl - were hit by a mother who had just dropped her children at Otahuhu Primary School in South Auckland.

Senior Sergeant Ian Brenchley said: "A 10-year-old and two 5-year-olds shouldn't be making their way to school across main roads unsupervised at that time of the day, or any time of the day."

Sergeant Matt Child said the children were struck crossing Great South Rd.

They walked in front of a stationary truck that was waiting in the right-hand lane. As the light turned green, a mother went to turn left. She didn't see the children as they appeared from in front of the truck.



The scene of the accident in Otahuhu. Photo NZ Herald.



RYAN ANDERSON/STUFF

following a serious crash

critical condition in hospital after being hit by a car on school grounds on Tuesday morning.

Notified of the crash on Wells Rd in Bucklands Beach

Other emergency services are in attendance at the crash, at Pigeon Mountain Primary School.



Conclusions

- PUDO requirements can be calculated... but
- Providing as much as required may lead to poor outcomes
- Be aware of the rural/ urban divide
- Know your situation and design to the specifics