



Silverdale School – Change of Class and Zone Amendment Analysis, June 2015

Silverdale School is located in an area of significant population growth. Large residential developments, such as Millwater, Weiti and areas to the west of the motorway, will put significant roll pressure on Silverdale School. The school's site is constrained with a planned eight classroom block likely to fill the available building platform. After this block is complete Silverdale School will have a capacity of around 706¹ student spaces.

This report will help aid Silverdale School's decisions around possible change of class and possible enrolment scheme amendments.

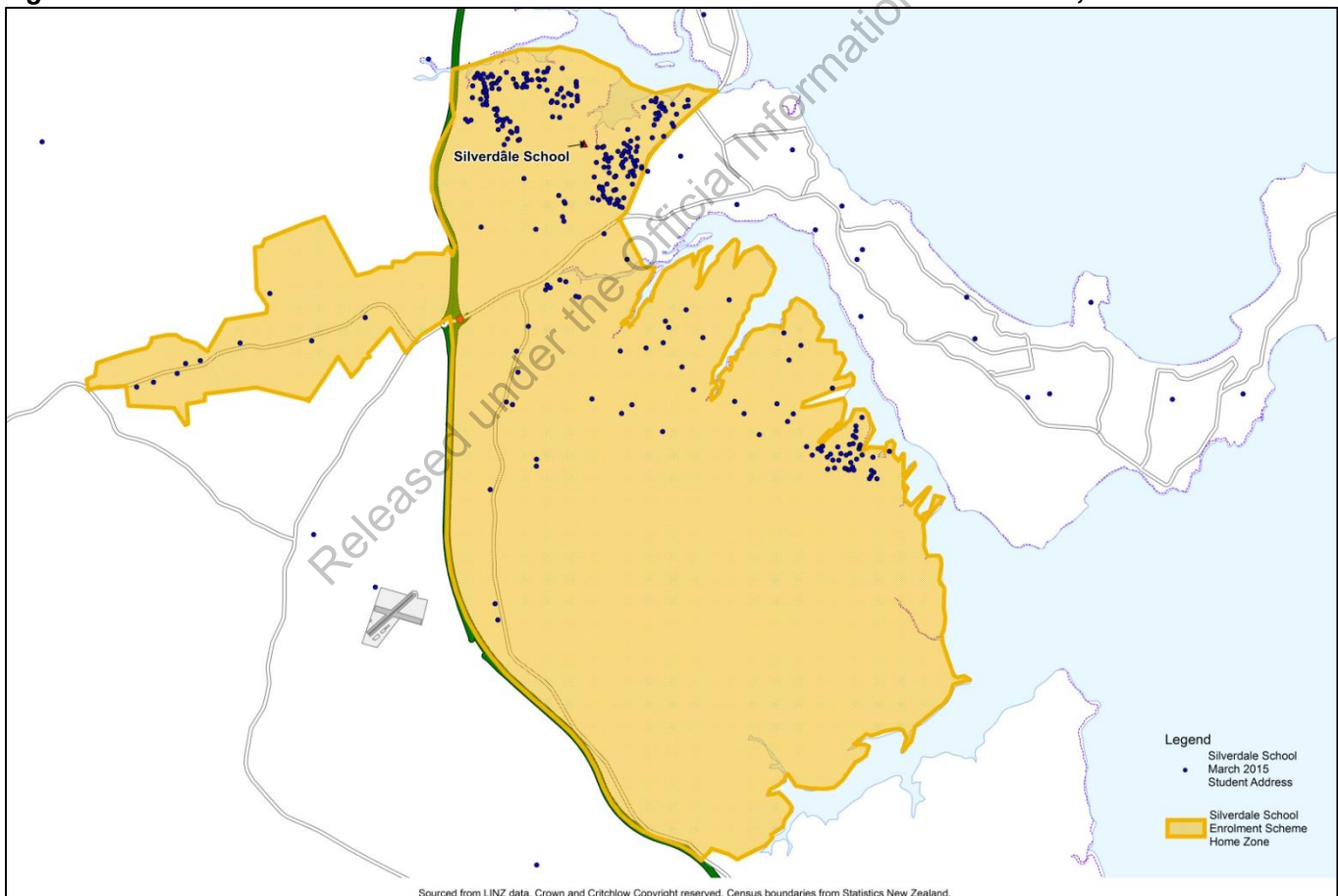
Current Status

Figure 1 shows the current enrolment scheme home zone of Silverdale School and its March 2015 student distribution.

Within the home zone there are a total of 845 Year 1-8 students of which 428 attend Silverdale School. This is a market share of 50.6%. It should be noted that the market share will fluctuate significantly until development in the area is complete.

The current capacity of Silverdale School is 522 and the planned eight classroom block will increase the capacity to around 706 students.

Figure 1: Enrolment Scheme Home Zone and Student Distribution of Silverdale School, March 2015



¹Capacity is calculated using the capacity calculator. It is based on the year level distribution of the October 2014 roll.

Millwater Development

The Millwater development, at completion, will have approximately 3000 houses which will be home to around 9000 people. As of May 2015, 900 houses were occupied.

Table 1 shows the total school aged population living in the Millwater area, as of March 2015, and compares it with the current number of houses occupied. It uses the current student to household ratio to project how many additional students could come out of the Millwater development.

It should be noted that student per household ratio is lower than the Ministry's usual methodology². The Ministry's methodology assumes 18% of the total population is school aged whereas, in Millwater, only 15% of the population is school aged.

As of March 2015, there were 407 Year 1-13 students living in Millwater. Compared to the 900 occupied houses, this equates to around 0.45 students per household. Using the same student to household ratio, the 2100 houses yet to be occupied could generate an additional 950 students; 1357 in total.

Table 1: Millwater Student to Household Ratio

	Current	MOE Usual Methodology
Millwater Homes - Existing	900	900
Millwater Students - Existing	407	486
Students per household	0.45	0.54
Millwater Homes - Additional	2100	2100
Millwater Students - Possible	950	1134
Total Millwater Homes	3000	3000
Total Possible Students	1357	1620

Table 2 shows the breakdown of current and projected students by year level. Commentary for Table 2 focuses on the Year 1-8 population only.

In Millwater, there are currently 222 Year 1-6 students and 64 Year 7-8 students. This could increase to 740 and 213, respectively, once the development is complete.

If the market share of Silverdale School stabilised at 70% and remained a Year 1-8 school, just from Millwater, the school could have a roll of 667 students.

Table 2: Current and Projected Millwater School Aged Population by year level

Current Year Level	Current Students	Proportion of Total	Projected Additional Students	Projected Total Students
1	31	8%	72	103
2	41	10%	96	137
3	50	12%	117	167
4	46	11%	107	153
5	29	7%	68	97
6	25	6%	58	83
Total Y1-6	222	55%	518	740
7	28	7%	65	93
8	36	9%	84	120
Total Y7-8	64	16%	149	213
9	27	7%	63	90
10	24	6%	56	80
11	30	7%	70	100
12	20	5%	47	67
13	20	5%	47	67
Total Y9-13	121	30%	282	403
Total	407	100%	950	1357

² Total dwelling yield multiplied by three equals total population – 10% of the total population is assumed to be 5-12 year olds (Year 1-8) and 8% of the total population is assumed to be 13-17 year olds (Year 9-13).

Spur Road/Duck Creek Road/Stillwater Area (Silverdale South)

Figure 3 shows the Silverdale South area and Table 3 shows students attending Silverdale School and living in Silverdale South as of March 2015.

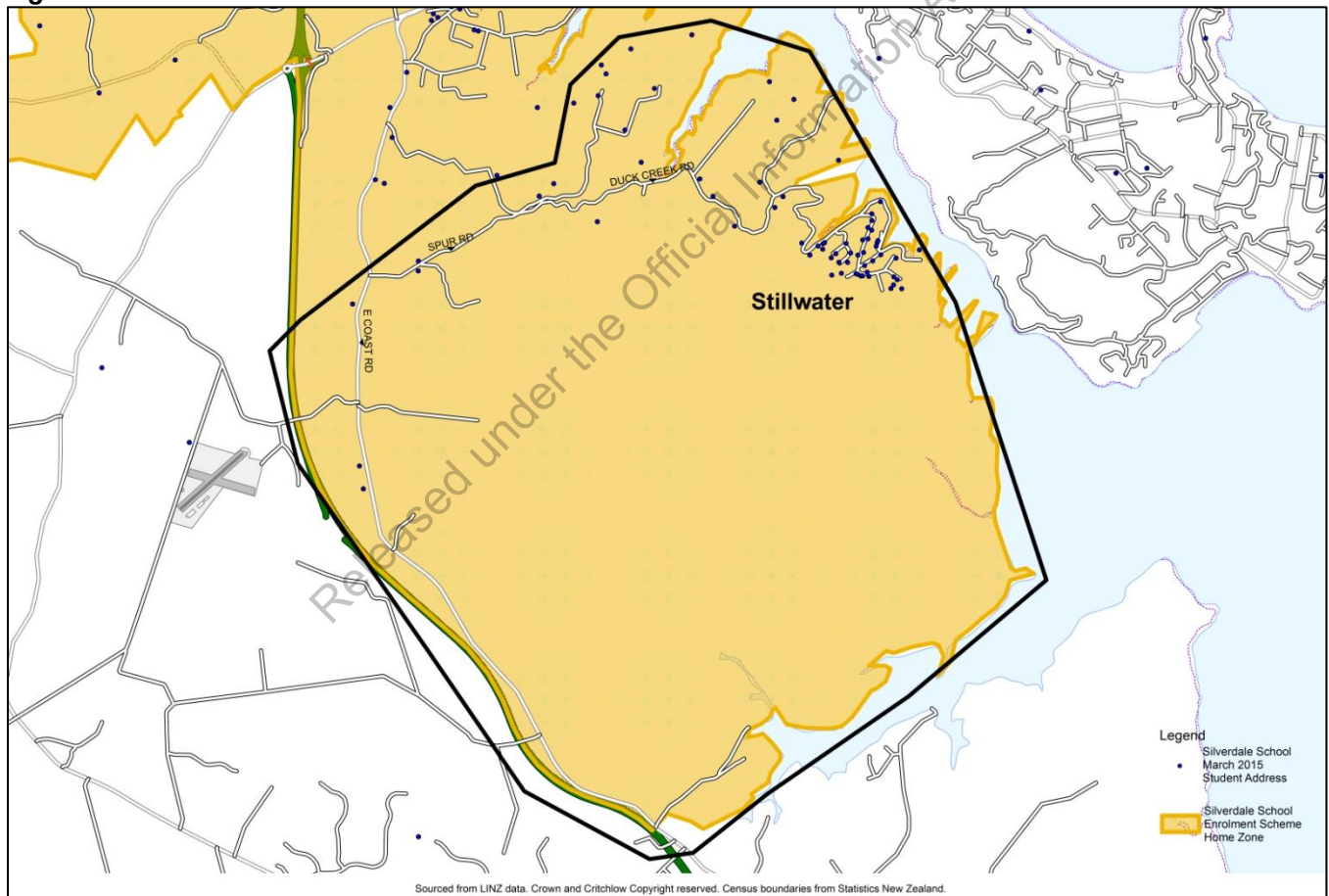
In March 2015, 108 students were attending Silverdale School from Silverdale South.

If Silverdale School were to amend its enrolment scheme home zone to exclude this area it would take eight years for the amendment to take full effect. If a “grandparenting” clause is implemented with the amendment, the amendment will only take full effect when the “grandparenting” clause expires.

Table 3: Students Attending Silverdale School and Living in Silverdale South, March 2015

Current Year Level	Student Count
1	9
2	13
3	16
4	11
5	11
6	22
7	15
8	11
Total	108

Figure 3: Silverdale South



Options

The effect each option could have on Silverdale School's roll is outlined below. The total roll will be compared to the planned capacity of 706 students. It has also been assumed that the school will capture a 70% market share from the Millwater development. It should be noted that the options with no home zone amendment component **do not** include the effect of planned developments in the Silverdale South area.

Status Quo

If Silverdale School remains a Year 1-8 school and keeps its current enrolment scheme home zone, the roll could reach 947 students. This would create a **deficit** of 241 student spaces.

Table 4: Status Quo

In Zone Area	Projected Roll
70% of Millwater	667
Silverdale South	108
Rest of Zone	172
Total Roll	947

Change of Class to Year 1-6, no home zone amendment

If Silverdale School becomes a Year 1-6 school and keeps its current enrolment scheme home zone, the roll could reach 752 students. This would create a **deficit** of 46 student spaces.

Table 5: Change of Class to Year 1-6, no home zone amendment

In Zone Area	Projected Roll
70% of Millwater	518
Silverdale South	82
Rest of Zone	152
Total Roll	752

Remain Year 1-8, home zone amendment

If Silverdale School remains a Year 1-8 school but amends its home zone to exclude Silverdale South, the roll could reach 839 students. This would create a **deficit** of 133 student spaces.

Table 6: Remain Year 1-8, home zone amendment

In Zone Area	Projected Roll
70% of Millwater	667
Silverdale South	0
Rest of Zone	172
Total Roll	839

Change of Class to Year 1-6, home zone amendment

If Silverdale School becomes a Year 1-6 school but amends its home zone to exclude Silverdale South, the roll could reach 670 students. This would create a **surplus** of 36 student spaces.

Table 7: Change of Class to Year 1-6, home zone amendment

In Zone Area	Projected Roll
70% of Millwater	518
Silverdale South	0
Rest of Zone	152
Total Roll	670