TABLED DOCMENT

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Rationale for the 248 Lot Proposal

1.0 POTABLE WATER SUPPLY AND DEMAND FACTORS

Supply		
	Sustainable aquifer yield	2,503m^3/day
Demand		
	Daily Average	743 m^3/day
	Peak Recorded Demand	1,497 m3/day
	Reservoir Capacity	2,500m^3
	Water Treatment Capacity	3,500m^3/day

Evidence of Andrew Fraser – Para 51, pg.9

2.0 PEAKING FACTORS

Source	Peaking Factor	Maximum Residential Lots
NPDC	2.33	1,279
Actual Historic	2.10	1,418
NZS4404	2.00	1,489

Evidence of Andrew Fraser – Para 52, pg.10

3.0 CONTOURED-BASED YIELD ANALYSIS

	Area (Ha)	Refined by Slope Analysis (Lots)
Undeveloped Residential Land Oakura	17.7	134
Oakura West FUD	37.1	283
Oakura South FUD	10.5	125
	Totals	**542**

Evidence of Alan Doy – Para 22, pg.8

4.0 CALCULATION OF OVERALL SUPPLY AND DEMAND BY LOT

	Lots (Demand)	
Water Supply Capacity (Revised adopting 2.10 Peaking Factor)		1,418
Existing Township Lots served*	660	
Allowance for Infill*	127	
Existing Vacant Zoned Residential (Revised)	134	
FUD West (Revised)	283	
FUD South (Revised)	125	
Plus PC48 Additional Residential	191	
Total Lots to be served (Demand)		1,520
Excess of Actual and Potential Demand over Proven Supply		102

*From s46A Report – Pg. 28 – Table 3

Evidence of Colin Comber – Table 3 pg.38

5.0 CALCULATION OF 50/50 ALLOCATION - REVISED

	Lots	Lots
Water Supply Capacity (Revised adopting 2.10 Peaking Factor)		1,418
Existing Township Lots served*	660	
Allowance for Infill*	127	
Existing Vacant Zoned Residential	134	
Subtotal		921
Available remaining supply		497
50/50 Allocation		
FUD West		248
FUD South plus PC48 Residential		248

Evidence of Colin Comber – Table 4 pg.39