

	Calculation for bespoke Nitrogen Budget	
Stage 1		
Step 1	Additional population	3.00
Step 2	Water Use (ltrs per person per day)	12.00
Sub total A	Total water use (ltrs per day)	36.00
Step 3	WWTW Permit level (Budds Farm)	9.70
	90% permit level = worst case	8.70
Step 4	Acceptable loading = 90% permit level -2mg	6.70
Sub total B	Subtotal A x step 4 (mg per day)	241.20
Sub total C	Subtotal B divided by 1,000,000 (kg per day)	0.000241
Sub total D	Subtotal C x 365 days (kg per year)	0.09
Stage 2		
Step 1	Total area of development in ha	0.08
Step 2	Current use = urban development	0.08
Nitrogen Load - current	Nitrogen load urban development (kg per year per ha)	14.30
Sub total E	Nitrogen load from current land use (kg per year per ha)	1.14
Stage 3		
Step 1	Proposed use = urban development	0.08
Nitrogen Load - proposed	Nitrogen load urban development (kg per year per ha)	14.30
Subtotal F	Subtotal E - Step 1	1.14
Stage 4		
Step 1	Subtotal D	0.09
Step 2	Subtotal E - Subtotal F	0.00
Step 3	Total Nitrogen Budget - Stage 4 step 1 - step 2 (before buffer)	0.09
Step 4	Precautionary Buffer 20%	0.02
Nitrogen Budget Total	Step 3 + Step 4	0.11