

WATER CALCULATION FOR DWELLINGS WITH 2No ENSUITES AND/OR SHOWERS
Plots 7, 8, 12 & 15

Installation Type	Unit of Measure	(1) Capacity/Flow Rate	(2) Use Factor	(3) Fixed Use (litres/person/day)	(4) Litres/person/day = [(1) x (2)] + (3)
WC (single flush)	Flush volume (litres)		4.42	0.00	0.00
WC (dual flush)	Full flush volume (litres)	4.00	1.46	0.00	5.84
	Part flush volume (litres)	2.60	2.96	0.00	7.70
WC (multiple fittings)	Average effective flushing volume (litres)		4.42	0.00	0.00
Taps (excl kitchen/utility)	Flow rate (litres/minute)	4.20	1.58	1.58	8.22
Bath (where shower is present)	Capacity to overflow (litres)	130.00	0.11	0.00	14.30
Shower (where bath is present)	Flow rate (litres/minute)	7.50	4.37	0.00	32.78
Bath only	Capacity to overflow (litres)		0.50	0.00	0.00
Shower only	Flow rate (litres/minute)		5.60	0.00	0.00
Kitchen/utility room sink taps	Flow rate (litres/minute)	4.20	0.44	10.36	12.21
Washing machine	Litres/kg dry load	8.17	2.10	0.00	17.16
Dishwasher	Litres/place setting	1.25	3.60	0.00	4.50
Waste Disposal Unit	Litres/use	If present =1 If absent = 0	3.08	0.00	0.00
Water Softener	Litres/person/day		1.00	0.00	0.00
	(5)	Total Calculated Use = (sum column 4)			102.69
	(6)	Contribution from greywater (litres/person/day) from table 4.6			0.00
	(7)	Contribution from rainwater (litres/person/day) from table 5.5			0.00
	(8)	Normalisation Factor			0.91
	(9)	Total Water Consumption = [(5)-(6)-(7)] x (8)			93.45
	(10)	External Water Use			5.00
	(11)	Total Water Consumption = (9)+(10) (litres/person/day)			98.45

WATER CALCULATION FOR DWELLINGS WITH 1NO ENSUITE

Plots 16, 17, 18, 19, 20, 21, 24, 25, 26, 29 & 30

Installation Type	Unit of Measure	(1) Capacity/Flow Rate	(2) Use Factor	(3) Fixed Use (litres/person/day)	(4) Litres/person/day = [(1) x (2)] + (3)
WC (single flush)	Flush volume (litres)		4.42	0.00	0.00
WC (dual flush)	Full flush volume (litres)	4.00	1.46	0.00	5.84
	Part flush volume (litres)	2.60	2.96	0.00	7.70
WC (multiple fittings)	Average effective flushing volume (litres)		4.42	0.00	0.00
Taps (excl kitchen/utility)	Flow rate (litres/minute)	4.00	1.58	1.58	7.90
Bath (where shower is present)	Capacity to overflow (litres)	130.00	0.11	1.00	15.30
Shower (where bath is present)	Flow rate (litres/minute)	7.50	4.37	1.00	33.78
Bath only	Capacity to overflow (litres)		0.50	0.00	0.00
Shower only	Flow rate (litres/minute)		5.60	0.00	0.00
Kitchen/utility room sink taps	Flow rate (litres/minute)	4.20	0.44	10.36	12.21
Washing machine	Litres/kg dry load	8.17	2.10	0.00	17.16
Dishwasher	Litres/place setting	1.25	3.60	0.00	4.50
Waste Disposal Unit	Litres/use	If present =1 If absent = 0	3.08	0.00	0.00
Water Softener	Litres/person/day		1.00	0.00	0.00
	(5)	Total Calculated Use = (sum column 4)			104.38
	(6)	Contribution from greywater (litres/person/day) from table 4.6			0.00
	(7)	Contribution from rainwater (litres/person/day) from table 5.5			0.00
	(8)	Normalisation Factor			0.91
	(9)	Total Water Consumption = [(5)-(6)-(7)] x (8)			94.98
	(10)	External Water Use			5.00
	(11)	Total Water Consumption = (9)+(10) (litres/person/day)			99.98

WATER CALCULATION FOR DWELLINGS WITH NO ENSUITE & 1No OVERBATH SHOWER
Plots 1, 2, 3, 4, 5, 6, 9, 10, 11, 22, 23, 27 & 28

Installation Type	Unit of Measure	(1) Capacity/Flow Rate	(2) Use Factor	(3) Fixed Use (litres/person/day)	(4) Litres/person/day = [(1) x (2)] + (3)
WC (single flush)	Flush volume (litres)		4.42	0.00	0.00
WC (dual flush)	Full flush volume (litres)	4.00	1.46	0.00	5.84
	Part flush volume (litres)	2.60	2.96	0.00	7.70
WC (multiple fittings)	Average effective flushing volume (litres)		4.42	0.00	0.00
Taps (excl kitchen/utility)	Flow rate (litres/minute)	4.00	1.58	1.58	7.90
Bath (where shower is present)	Capacity to overflow (litres)	130.00	0.11	0.00	14.30
Shower (where bath is present)	Flow rate (litres/minute)	9.00	4.37	0.00	39.33
Bath only	Capacity to overflow (litres)		0.50	0.00	0.00
Shower only	Flow rate (litres/minute)		5.60	0.00	0.00
Kitchen/utility room sink taps	Flow rate (litres/minute)	4.20	0.44	10.36	12.21
Washing machine	Litres/kg dry load	8.17	2.10	0.00	17.16
Dishwasher	Litres/place setting	1.25	3.60	0.00	4.50
Waste Disposal Unit	Litres/use	If present =1 If absent = 0	3.08	0.00	0.00
Water Softener	Litres/person/day		1.00	0.00	0.00
	(5)	Total Calculated Use = (sum column 4)			108.93
	(6)	Contribution from greywater (litres/person/day) from table 4.6			0.00
	(7)	Contribution from rainwater (litres/person/day) from table 5.5			0.00
	(8)	Normalisation Factor			0.91
	(9)	Total Water Consumption = [(5)-(6)-(7)] x (8)			99.13
	(10)	External Water Use			5.00
	(11)	Total Water Consumption = (9)+(10) (litres/person/day)			104.13

WATER CALCULATION FOR DWELLINGS WITH 1 ENSUITE & 1No OVERBATH SHOWER

Plots 13 & 14

Installation Type	Unit of Measure	(1) Capacity/Flow Rate	(2) Use Factor	(3) Fixed Use (litres/person/day)	(4) Litres/person/day = [(1) x (2)] + (3)
WC (single flush)	Flush volume (litres)		4.42	0.00	0.00
WC (dual flush)	Full flush volume (litres)	4.00	1.46	0.00	5.84
	Part flush volume (litres)	2.60	2.96	0.00	7.70
WC (multiple fittings)	Average effective flushing volume (litres)		4.42	0.00	0.00
Taps (excl kitchen/utility)	Flow rate (litres/minute)	4.00	1.58	1.58	7.90
Bath (where shower is present)	Capacity to overflow (litres)	130.00	0.11	0.00	14.30
Shower (where bath is present)	Flow rate (litres/minute)	9.00	4.37	0.00	39.33
Bath only	Capacity to overflow (litres)		0.50	0.00	0.00
Shower only	Flow rate (litres/minute)		5.60	0.00	0.00
Kitchen/utility room sink taps	Flow rate (litres/minute)	4.20	0.44	10.36	12.21
Washing machine	Litres/kg dry load	8.17	2.10	0.00	17.16
Dishwasher	Litres/place setting	1.25	3.60	0.00	4.50
Waste Disposal Unit	Litres/use	If present =1 If absent = 0	3.08	0.00	0.00
Water Softener	Litres/person/day		1.00	0.00	0.00
(5) Total Calculated Use = (sum column 4)					108.93
(6) Contribution from greywater (litres/person/day) from table 4.6					0.00
(7) Contribution from rainwater (litres/person/day) from table 5.5					0.00
(8) Normalisation Factor					0.91
(9) Total Water Consumption = [(5)-(6)-(7)] x (8)					99.13
(10) External Water Use					5.00
(11) Total Water Consumption = (9)+(10) (litres/person/day)					104.13