

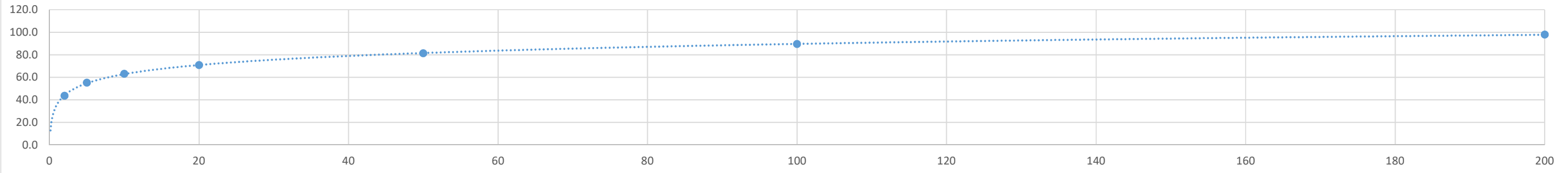
323 - Erf 15712 Wellington

Grid Position				MAP mm/y	Altitude msl	Ret Period y	Code	Event Duration/Rainfall depth in mm (inc CC Factor)																	WGS84_ Long	WGS84_ LAT						
Latitude Degree	Longitude Minute	Latitude Degree	Longitude Minute					Min 5	Min 10	Min 15	Min 30	Min 45	Min 60	Min 90	Min 120	Min 240	Min 360	Min 480	Min 600	Min 720	Min 960	Min 1200	Min 1440	Day 1			Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
33	37	18	59	620	95	2	M	4.9	7.0	8.5	11.2	13.2	14.8	17.5	19.6	24.5	27.9	30.6	32.9	34.9	38.3	41.1	43.6	37.5	48.4	56.2	61.3	65.7	69.4	72.8	18.70	-33.83
33	37	18	59	620	95	5	M	6.2	8.8	10.7	14.2	16.7	18.7	22.0	24.7	30.9	35.2	38.7	41.5	44.0	48.3	51.9	55.1	47.3	61.1	71.0	77.5	82.9	87.7	91.9	18.70	-33.83
33	37	18	59	620	95	10	M	7.1	10.1	12.3	16.2	19.1	21.4	25.2	28.3	35.4	40.3	44.2	47.5	50.4	55.3	59.4	63.0	54.1	69.9	81.2	88.6	94.9	100.3	105.1	18.70	-33.83
33	37	18	59	620	95	20	M	8.0	11.3	13.8	18.2	21.5	24.1	28.3	31.8	39.8	45.3	49.7	53.4	56.6	62.1	66.8	70.8	60.9	78.6	91.2	99.6	106.7	112.8	118.2	18.70	-33.83
33	37	18	59	620	95	50	M	9.2	13.0	15.8	20.9	24.6	27.7	32.5	36.5	45.7	52.0	57.1	61.3	65.0	71.3	76.7	81.3	69.9	90.2	104.8	114.4	122.5	129.5	135.7	18.70	-33.83
33	37	18	59	620	95	100	M	10.2	14.3	17.4	23.0	27.1	30.4	35.8	40.2	50.3	57.3	62.8	67.5	71.6	78.5	84.4	89.5	76.9	99.3	115.3	125.9	134.8	142.5	149.4	18.70	-33.83
33	37	18	59	620	95	200	M	11.1	15.6	19.1	25.2	29.7	33.3	39.2	44.0	55.0	62.6	68.7	73.8	78.3	85.9	92.3	97.9	84.1	108.6	126.1	137.7	147.4	155.9	163.4	18.70	-33.83

NOTE: According to the Management of Urban Stormwater Impacts Policy, the design storm event for water quality treatment is 1/2 year RI and 24h storm. The rainfall information in the above table were obtained from the Design Rainfall Estimation in South African programme. On recommendation the 1440min (24h) data were plotted and a logarithmic trendline were added to calculate the 1/2 year RI.

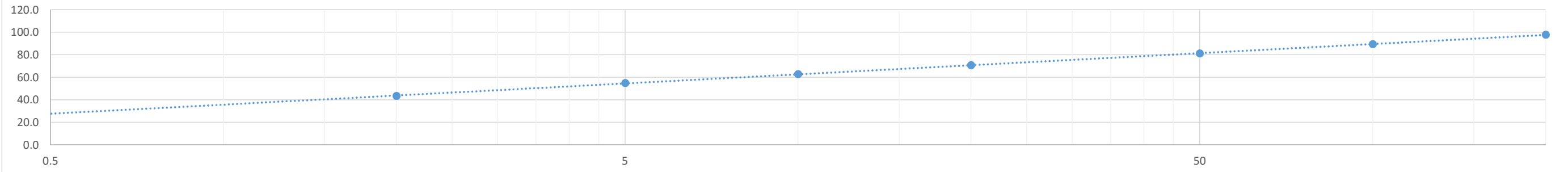
24h Storm Duration

$y = 11.675 \ln(x) + 35.88$
 $R^2 = 0.9998$



24h Storm Duration

$y = 11.675 \ln(x) + 35.88$
 $R^2 = 0.9998$



y =	11.675	ln(x)	+	35.88
x =	0.5			
y =	27.8	mm		The rainfall depth