



## City of Brisbane • Intensity - Duration - Frequency (IDF) Curves

Precipitation Depth and Intensity Based on Mean Annual Precipitation (MAP) = 21+

**Table 1**

Duration (hours)	Duration (minutes)	Depth (inches)				Intensity (inches per hour)			
		Recurrence Interval (years)				Recurrence Interval (years)			
		2	10	25	100	2	10	25	100
0.08333	5	0.149	0.245	0.287	0.345	1.791	2.942	3.446	4.142
0.1667	10	0.208	0.334	0.391	0.469	1.245	2.002	2.347	2.813
0.25	15	0.243	0.394	0.465	0.567	0.974	1.575	1.862	2.270
0.5	30	0.337	0.533	0.627	0.761	0.675	1.067	1.254	1.522
1	60	0.481	0.739	0.859	1.030	0.481	0.739	0.859	1.030
2	120	0.739	1.099	1.264	1.493	0.369	0.550	0.632	0.746
3	180	0.948	1.409	1.619	1.908	0.316	0.470	0.540	0.636
6	360	1.386	2.110	2.441	2.899	0.231	0.352	0.407	0.483
12	720	1.864	2.986	3.505	4.228	0.155	0.249	0.292	0.352
24	1440	2.337	3.981	4.780	5.925	0.097	0.166	0.199	0.247

**Note:** Depths and intensities at other durations that may be required for other specific circumstances can be calculated using the equations provided.

Chart 1: Intensity-Duration-Frequency Curves (SCVWD TDS Equation at MAP = 21)

