

## Example Data Summary Sheet for Stormwater Management Plan

**Project Name:** Rolling Acres    **Project Size:** 110 Acres    **Project type:** Residential Subdivision    **No. of Lots:** 180  
**Number of Runoff Discharge Points:** 3    **Watershed (ultimate discharge):** Pewaukee Lake (via unnamed tributary)  
**Watershed Area (including off-site runoff traveling through project area):** 140 acres (30 acres off-site)  
**Public Land Survey Location:** SE1/4, Section 32, T8N R19E (Pewaukee Township)

Summary Data Elements	Subwatershed A		Subwatershed B		Subwatershed C	
	Pre-develop	Post-develop	Pre-develop	Post-develop	Pre-develop	Post-develop
<b>Watershed Areas (in acres)</b> <i>(see attached map)</i>	100 acres	120 acres	20	10	20	10
<b>Average Watershed Slopes (%)</b>	2-8%	2-8%	3-6%	3-6%	6-8%	6-8%
<b>Land Uses (% of each)</b> <i>(see attached map)</i>	75 ac. cropland 15 ac. brush 10 ac. woodland	110 ac. ½ ac. lots 5ac. brush 5 ac. woodlands	100% cropland	100% ½ ac. lots	100% Woodland	100% ½ acre lots
<b>Runoff Curve Numbers</b>	68 x 75ac.= 5100 30 x 25ac.= 750 <u>Net 5850/100 ac.</u> RCN = 59	70 x 110 ac.= 7700 10 x 10 ac.= 100 <u>Net 7800/120ac</u> RCN = 65	RCN = 68 (state standard)	RCN = 70	RCN = 30	RCN = 70
<b>Conveyance Systems Types</b>	Grass waterway	50% grass swale 50% storm sewer	100% bare channel	100% grass swale	100% natural channel	100% storm sewer
<b>Summary of Average Conveyance System Data</b>	8' bottom/4:1 ss 2' depth/3% grade	2' depth swale/3% 30" r/c sewer/2% (see calcs.)	15' (w) top 1' (d) parabolic 2% grade	2' deep standard road ditch 2% grade	15' top (w) 1' (d) parabolic 4% grade	2' deep standard road ditch 4% grade
<b>Time of Concentration (Tc)</b> <i>(see attached map &amp; worksheets)</i>	1.1 hrs.	.97 hrs.	.74 hrs.	.65 hrs.	.45 hrs.	.35 hrs.
<b>25% of 2-yr 24-hr post-dev runoff volume</b>	N/A	2.29 ac. ft.	N/A	.19 ac. ft.	N/A	.19 ac. ft.
<b>1-year/24 hour Runoff Volume</b>	N/A	(.2" x 120 ac.) 2.0 ac. ft.	N/A	(.34" x 10 ac.) .28 ac. ft.	N/A	(.34" x 10 ac.) .28 ac. ft.
<b>2-yr./24 hour Peak Flow</b> <i>(see attached hydrographs)</i>	18.2 cfs	24.3 cfs	5.1 cfs	3.2 cfs	2.7 cfs	6.3 cfs
<b>10-yr./24 hour Peak Flow</b>	41 cfs	72 cfs	18.4 cfs	11.3 cfs	12.6 cfs	13.2 cfs
<b>100-yr./24 hour Peak Flow</b>	118 cfs	171 cfs	53 cfs	21 cfs	22 cfs	24 cfs