

Area Listing (all nodes)

Area	CN	Description
(acres)		(subcatchment-numbers)
0.240	61	>75% Grass cover, Good, HSG B (1S)
0.067	98	Concrete, HSG B (1S)
0.027	96	Gravel surface, HSG B (1S)
0.006	98	Paved parking, HSG B (1S)
0.177	98	Roofs, HSG B (1S)
0.517	81	TOTAL AREA

Soil Listing (all nodes)

Area	Soil	Subcatchment
(acres)	Group	Numbers
0.000	HSG A	
0.517	HSG B	1S
0.000	HSG C	
0.000	HSG D	
0.000	Other	
0.517		TOTAL AREA

EX Benson

Ground Covers (all nodes)

HSG-A	HSG-B	HSG-C	HSG-D	Other	Total	Ground	Subcatchment
 (acres)	(acres)	(acres)	(acres)	(acres)	(acres)	Cover	Numbers
 0.000	0.240	0.000	0.000	0.000	0.240	>75% Grass cover, Good	1S
0.000	0.067	0.000	0.000	0.000	0.067	Concrete	1S
0.000	0.027	0.000	0.000	0.000	0.027	Gravel surface	1S
0.000	0.006	0.000	0.000	0.000	0.006	Paved parking	1S
0.000	0.177	0.000	0.000	0.000	0.177	Roofs	1S
0.000	0.517	0.000	0.000	0.000	0.517	TOTAL AREA	

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points Runoff by SCS TR-20 method, UH=SCS, Weighted-CN Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

> Runoff Area=22,504 sf 48.29% Impervious Runoff Depth>1.24" Flow Length=85' Tc=6.9 min CN=81 Runoff=1.04 cfs 0.054 af

Link 1L: Output

Subcatchment 1S: Existing Site

Inflow=1.04 cfs 0.054 af Primary=1.04 cfs 0.054 af

Total Runoff Area = 0.517 ac Runoff Volume = 0.054 af Average Runoff Depth = 1.24" 51.71% Pervious = 0.267 ac 48.29% Impervious = 0.249 ac

Summary for Subcatchment 1S: Existing Site

Runoff = 1.04 cfs @ 12.14 hrs, Volume= 0.054 af, Depth> 1.24"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs MSE 24-hr 4 2-Year Rainfall=3.01"

	Area (sf)	CN	Description		
	7,695	98	Roofs, HSC	θB	
	1,185	96	Gravel surfa	ace, HSG E	3
*	2,925	98	Concrete, H	ISG B	
	247	98	Paved park	ing, HSG B	
	10,452	61	>75% Gras	s cover, Go	bod, HSG B
	22,504	81	Weighted A	verage	
	11,637		51.71% Pe	rvious Area	
	10,867		48.29% Imp	pervious Ar	ea
٦	C Length	Slope	e Velocity	Capacity	Description
(mi	n) (feet)	(ft/ft	t) (ft/sec)	(cfs)	
0	.1 25	0.500	0 3.62		Sheet Flow,
					Smooth surfaces n= 0.011 P2= 2.94"
6	.8 60	0.020	0 0.15		Sheet Flow, yard
					Grass: Short n= 0.150 P2= 2.94"
6	9 85	Total			

Subcatchment 1S: Existing Site



Summary for Link 1L: Output

Inflow Area	a =	0.517 ac, 4	8.29% Impe	rvious,	Inflow Depth >	1.24"	for 2-Y	ear event
Inflow	=	1.04 cfs @	12.14 hrs,	Volume=	= 0.054	af		
Primary	=	1.04 cfs @	12.14 hrs, `	Volume=	= 0.054	af, At	ten= 0%,	Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs



Link 1L: Output

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points Runoff by SCS TR-20 method, UH=SCS, Weighted-CN Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

> Runoff Area=22,504 sf 48.29% Impervious Runoff Depth>2.39" Flow Length=85' Tc=6.9 min CN=81 Runoff=1.97 cfs 0.103 af

Link 1L: Output

Subcatchment 1S: Existing Site

Inflow=1.97 cfs 0.103 af Primary=1.97 cfs 0.103 af

Total Runoff Area = 0.517 ac Runoff Volume = 0.103 af Average Runoff Depth = 2.39" 51.71% Pervious = 0.267 ac 48.29% Impervious = 0.249 ac

Summary for Subcatchment 1S: Existing Site

Runoff = 1.97 cfs @ 12.14 hrs, Volume= 0.103 af, Depth> 2.39"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs MSE 24-hr 4 10-Year Rainfall=4.46"

	Ar	ea (sf)	CN	Description		
		7,695	98	Roofs, HSC	βB	
		1,185	96	Gravel surfa	ace, HSG E	3
*		2,925	98	Concrete, H	ISG B	
		247	98	Paved park	ing, HSG B	
		10,452	61	>75% Gras	s cover, Go	bod, HSG B
	-	22,504	81	Weighted A	verage	
		11,637		51.71% Pei	rvious Area	
		10,867		48.29% Imp	pervious Ar	ea
	Тс	Length	Slope	e Velocity	Capacity	Description
(m	in)	(feet)	(ft/ft)) (ft/sec)	(cfs)	
().1	25	0.5000	3.62		Sheet Flow,
						Smooth surfaces n= 0.011 P2= 2.94"
6	6.8	60	0.0200	0.15		Sheet Flow, yard
						Grass: Short n= 0.150 P2= 2.94"
6	5.9	85	Total			

Subcatchment 1S: Existing Site



Summary for Link 1L: Output

Inflow Are	a =	0.517 ac, 4	8.29% Imperviou	s, Inflow Depth >	> 2.39"	for 10-Year event
Inflow	=	1.97 cfs @	12.14 hrs, Volur	me= 0.10	3 af	
Primary	=	1.97 cfs @	12.14 hrs, Volur	ne= 0.10	3 af, Atte	en= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs



Link 1L: Output