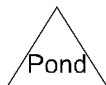
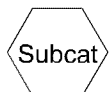


Subcat EX. SUBCATCHMENT 1



2023-09-14 Existing 23421

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Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
1.762	61	>75% Grass cover, Good, HSG B (EX. SUBCATCHMENT 1)
0.092	98	Roofs, HSG B (EX. SUBCATCHMENT 1)
1.854	63	TOTAL AREA

2023-09-14 Existing 23421

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Type II 24-hr 2-yr Rainfall=2.84"

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Summary for Subcatchment EX. SUBCATCHMENT 1: Subcat EX. SUBCATCHMENT 1

Runoff = 0.67 cfs @ 12.09 hrs, Volume= 0.065 af, Depth= 0.42"

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.01-80.00 hrs, dt= 0.01 hrs
Type II 24-hr 2-yr Rainfall=2.84"

Area (ac)	CN	Description
1.762	61	>75% Grass cover, Good, HSG B
0.092	98	Roofs, HSG B
1.854	63	Weighted Average
1.762	61	95.04% Pervious Area
0.092	98	4.96% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.2	75	0.0300	0.12		Sheet Flow, Grass: Dense n= 0.240 P2= 2.84"
3.9	325	0.0400	1.40		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
14.1	400	Total			

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Type II 24-hr 2-yr Rainfall=2.84"

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Hydrograph for Subcatchment EX. SUBCATCHMENT 1: Subcat EX. SUBCATCHMENT 1

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
0.01	0.00	0.00	0.00	0.00
2.01	0.06	0.00	0.00	0.00
4.01	0.14	0.00	0.03	0.00
6.01	0.23	0.00	0.09	0.00
8.01	0.34	0.00	0.18	0.00
10.01	0.52	0.00	0.33	0.01
12.01	1.89	0.05	1.66	0.47
14.01	2.33	0.15	2.10	0.06
16.01	2.50	0.20	2.27	0.04
18.01	2.62	0.23	2.39	0.03
20.01	2.70	0.26	2.47	0.03
22.01	2.78	0.28	2.54	0.02
24.01	2.84	0.31	2.61	0.02
26.01	2.84	0.31	2.61	0.00
28.01	2.84	0.31	2.61	0.00
30.01	2.84	0.31	2.61	0.00
32.01	2.84	0.31	2.61	0.00
34.01	2.84	0.31	2.61	0.00
36.01	2.84	0.31	2.61	0.00
38.01	2.84	0.31	2.61	0.00
40.01	2.84	0.31	2.61	0.00
42.01	2.84	0.31	2.61	0.00
44.01	2.84	0.31	2.61	0.00
46.01	2.84	0.31	2.61	0.00
48.01	2.84	0.31	2.61	0.00
50.01	2.84	0.31	2.61	0.00
52.01	2.84	0.31	2.61	0.00
54.01	2.84	0.31	2.61	0.00
56.01	2.84	0.31	2.61	0.00
58.01	2.84	0.31	2.61	0.00
60.01	2.84	0.31	2.61	0.00
62.01	2.84	0.31	2.61	0.00
64.01	2.84	0.31	2.61	0.00
66.01	2.84	0.31	2.61	0.00
68.01	2.84	0.31	2.61	0.00
70.01	2.84	0.31	2.61	0.00
72.01	2.84	0.31	2.61	0.00
74.01	2.84	0.31	2.61	0.00
76.01	2.84	0.31	2.61	0.00
78.01	2.84	0.31	2.61	0.00

2023-09-14 Existing 23421

Type II 24-hr 10-yr Rainfall=4.25"

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Summary for Subcatchment EX. SUBCATCHMENT 1: Subcat EX. SUBCATCHMENT 1

Runoff = 2.37 cfs @ 12.08 hrs, Volume= 0.169 af, Depth= 1.10"

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.01-80.00 hrs, dt= 0.01 hrs
 Type II 24-hr 10-yr Rainfall=4.25"

Area (ac)	CN	Description
1.762	61	>75% Grass cover, Good, HSG B
0.092	98	Roofs, HSG B
1.854	63	Weighted Average
1.762	61	95.04% Pervious Area
0.092	98	4.96% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.2	75	0.0300	0.12		Sheet Flow, Grass: Dense n= 0.240 P2= 2.84"
3.9	325	0.0400	1.40		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
14.1	400	Total			

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Type II 24-hr 10-yr Rainfall=4.25"

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Hydrograph for Subcatchment EX. SUBCATCHMENT 1: Subcat EX. SUBCATCHMENT 1

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
0.01	0.00	0.00	0.00	0.00
2.01	0.09	0.00	0.01	0.00
4.01	0.20	0.00	0.07	0.00
6.01	0.34	0.00	0.18	0.01
8.01	0.51	0.00	0.33	0.01
10.01	0.77	0.00	0.57	0.01
12.01	2.83	0.30	2.60	1.93
14.01	3.49	0.57	3.25	0.15
16.01	3.74	0.68	3.51	0.10
18.01	3.92	0.77	3.68	0.08
20.01	4.05	0.84	3.81	0.06
22.01	4.15	0.89	3.92	0.05
24.01	4.25	0.94	4.01	0.05
26.01	4.25	0.94	4.01	0.00
28.01	4.25	0.94	4.01	0.00
30.01	4.25	0.94	4.01	0.00
32.01	4.25	0.94	4.01	0.00
34.01	4.25	0.94	4.01	0.00
36.01	4.25	0.94	4.01	0.00
38.01	4.25	0.94	4.01	0.00
40.01	4.25	0.94	4.01	0.00
42.01	4.25	0.94	4.01	0.00
44.01	4.25	0.94	4.01	0.00
46.01	4.25	0.94	4.01	0.00
48.01	4.25	0.94	4.01	0.00
50.01	4.25	0.94	4.01	0.00
52.01	4.25	0.94	4.01	0.00
54.01	4.25	0.94	4.01	0.00
56.01	4.25	0.94	4.01	0.00
58.01	4.25	0.94	4.01	0.00
60.01	4.25	0.94	4.01	0.00
62.01	4.25	0.94	4.01	0.00
64.01	4.25	0.94	4.01	0.00
66.01	4.25	0.94	4.01	0.00
68.01	4.25	0.94	4.01	0.00
70.01	4.25	0.94	4.01	0.00
72.01	4.25	0.94	4.01	0.00
74.01	4.25	0.94	4.01	0.00
76.01	4.25	0.94	4.01	0.00
78.01	4.25	0.94	4.01	0.00

2023-09-14 Existing 23421

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Type II 24-hr 100-yr Rainfall=7.49"

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Summary for Subcatchment EX. SUBCATCHMENT 1: Subcat EX. SUBCATCHMENT 1

Runoff = 7.89 cfs @ 12.07 hrs, Volume= 0.505 af, Depth= 3.27"

Runoff by SCS TR-20 method, UH=SCS, Split Pervious/Imperv., Time Span= 0.01-80.00 hrs, dt= 0.01 hrs
Type II 24-hr 100-yr Rainfall=7.49"

Area (ac)	CN	Description
1.762	61	>75% Grass cover, Good, HSG B
0.092	98	Roofs, HSG B
1.854	63	Weighted Average
1.762	61	95.04% Pervious Area
0.092	98	4.96% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.2	75	0.0300	0.12		Sheet Flow, Grass: Dense n= 0.240 P2= 2.84"
3.9	325	0.0400	1.40		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
14.1	400	Total			

2023-09-14 Existing 23421

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Type II 24-hr 100-yr Rainfall=7.49"

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Hydrograph for Subcatchment EX. SUBCATCHMENT 1: Subcat EX. SUBCATCHMENT 1

Time (hours)	Precip. (inches)	Perv.Excess (inches)	Imp.Excess (inches)	Runoff (cfs)
0.01	0.00	0.00	0.00	0.00
2.01	0.17	0.00	0.05	0.00
4.01	0.36	0.00	0.20	0.01
6.01	0.60	0.00	0.41	0.01
8.01	0.90	0.00	0.69	0.01
10.01	1.36	0.00	1.14	0.03
12.01	4.98	1.36	4.74	6.95
14.01	6.14	2.10	5.91	0.40
16.01	6.59	2.41	6.35	0.24
18.01	6.90	2.63	6.66	0.19
20.01	7.13	2.80	6.89	0.14
22.01	7.32	2.93	7.08	0.13
24.01	7.49	3.06	7.25	0.12
26.01	7.49	3.06	7.25	0.00
28.01	7.49	3.06	7.25	0.00
30.01	7.49	3.06	7.25	0.00
32.01	7.49	3.06	7.25	0.00
34.01	7.49	3.06	7.25	0.00
36.01	7.49	3.06	7.25	0.00
38.01	7.49	3.06	7.25	0.00
40.01	7.49	3.06	7.25	0.00
42.01	7.49	3.06	7.25	0.00
44.01	7.49	3.06	7.25	0.00
46.01	7.49	3.06	7.25	0.00
48.01	7.49	3.06	7.25	0.00
50.01	7.49	3.06	7.25	0.00
52.01	7.49	3.06	7.25	0.00
54.01	7.49	3.06	7.25	0.00
56.01	7.49	3.06	7.25	0.00
58.01	7.49	3.06	7.25	0.00
60.01	7.49	3.06	7.25	0.00
62.01	7.49	3.06	7.25	0.00
64.01	7.49	3.06	7.25	0.00
66.01	7.49	3.06	7.25	0.00
68.01	7.49	3.06	7.25	0.00
70.01	7.49	3.06	7.25	0.00
72.01	7.49	3.06	7.25	0.00
74.01	7.49	3.06	7.25	0.00
76.01	7.49	3.06	7.25	0.00
78.01	7.49	3.06	7.25	0.00