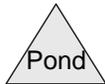


Subcat



Reach



Pond



Link

**18131 - OSRD (Pre)**

Type III 24-hr 2-year Rainfall=3.03"

Prepared by Hancock Associates

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Time span=4.00-72.00 hrs, dt=0.02 hrs, 3401 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

**Subcatchment 1: Off Site**

Runoff Area=152,400 sf Runoff Depth=0.78"  
Flow Length=680' Tc=19.0 min CN=71 Runoff=1.94 cfs 9,877 cf

**Subcatchment 2: Subject Parcel**

Runoff Area=149,300 sf Runoff Depth=0.73"  
Flow Length=760' Tc=22.9 min CN=70 Runoff=1.63 cfs 9,095 cf

**Subcatchment 3: Subject Parcel**

Runoff Area=273,900 sf Runoff Depth=0.73"  
Flow Length=775' Tc=19.4 min CN=70 Runoff=3.19 cfs 16,685 cf

**Link A: Natural Channel - (Map 15, Lot 9.6)**

Inflow=1.94 cfs 9,877 cf  
Primary=1.94 cfs 9,877 cf

**Link B: Property Limits - (Map 15, Lot 1A)**

Inflow=1.63 cfs 9,095 cf  
Primary=1.63 cfs 9,095 cf

**Link C: Project Limits - (Open Space)**

Inflow=3.19 cfs 16,685 cf  
Primary=3.19 cfs 16,685 cf

**Total Runoff Area = 575,600 sf Runoff Volume = 35,658 cf Average Runoff Depth = 0.74"**

**18131 - OSRD (Pre)**

Type III 24-hr 2-year Rainfall=3.03"

Prepared by Hancock Associates

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**Summary for Subcatchment 1: Off Site**

Runoff = 1.94 cfs @ 12.30 hrs, Volume= 9,877 cf, Depth= 0.78"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 4.00-72.00 hrs, dt= 0.02 hrs  
Type III 24-hr 2-year Rainfall=3.03"

Area (sf)	CN	Description
144,000	70	Woods, Good, HSG C
8,400	92	Paved roads w/open ditches, 50% imp, HSG C
152,400	71	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.0	100	0.0900	0.14		<b>Sheet Flow, Tc-1: ROW</b> Woods: Light underbrush n= 0.400 P2= 3.10"
5.4	460	0.0800	1.41		<b>Shallow Concentrated Flow, Tc-2: Woods</b> Woodland Kv= 5.0 fps
1.6	120	0.0600	1.22		<b>Shallow Concentrated Flow, Tc-3: Woods</b> Woodland Kv= 5.0 fps
19.0	680	Total			

**Summary for Subcatchment 2: Subject Parcel**

Runoff = 1.63 cfs @ 12.37 hrs, Volume= 9,095 cf, Depth= 0.73"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 4.00-72.00 hrs, dt= 0.02 hrs  
Type III 24-hr 2-year Rainfall=3.03"

Area (sf)	CN	Description
145,600	70	Woods, Good, HSG C
3,700	87	Dirt roads, HSG C
149,300	70	Weighted Average

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.1	100	0.0500	0.11		<b>Sheet Flow, Tc-1: Woods</b> Woods: Light underbrush n= 0.400 P2= 3.10"
7.1	560	0.0700	1.32		<b>Shallow Concentrated Flow, Tc-2: Woods</b> Woodland Kv= 5.0 fps
0.7	100	0.2000	2.24		<b>Shallow Concentrated Flow, Tc-3: Woods</b> Woodland Kv= 5.0 fps
22.9	760	Total			

**Summary for Subcatchment 3: Subject Parcel**

Runoff = 3.19 cfs @ 12.31 hrs, Volume= 16,685 cf, Depth= 0.73"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 4.00-72.00 hrs, dt= 0.02 hrs  
Type III 24-hr 2-year Rainfall=3.03"

Area (sf)	CN	Description
269,700	70	Woods, Good, HSG C
4,200	87	Dirt roads, HSG C
273,900	70	Weighted Average

**18131 - OSRD (Pre)**

Type III 24-hr 2-year Rainfall=3.03"

Prepared by Hancock Associates

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.3	85	0.0600	0.11		<b>Sheet Flow, Tc-1: Woods</b>
					Woods: Light underbrush n= 0.400 P2= 3.10"
4.9	420	0.0800	1.41		<b>Shallow Concentrated Flow, Tc-2: Woods</b>
					Woodland Kv= 5.0 fps
1.4	150	0.1200	1.73		<b>Shallow Concentrated Flow, Tc-3: Woods</b>
					Woodland Kv= 5.0 fps
0.8	120	0.2500	2.50		<b>Shallow Concentrated Flow, Tc-4: Woods</b>
					Woodland Kv= 5.0 fps
19.4	775	Total			

**Summary for Link A: Natural Channel - (Map 15, Lot 9.6)**

Inflow Area = 152,400 sf, Inflow Depth = 0.78" for 2-year event  
 Inflow = 1.94 cfs @ 12.30 hrs, Volume= 9,877 cf  
 Primary = 1.94 cfs @ 12.30 hrs, Volume= 9,877 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 4.00-72.00 hrs, dt= 0.02 hrs

**Summary for Link B: Property Limits - (Map 15, Lot 1A)**

Inflow Area = 149,300 sf, Inflow Depth = 0.73" for 2-year event  
 Inflow = 1.63 cfs @ 12.37 hrs, Volume= 9,095 cf  
 Primary = 1.63 cfs @ 12.37 hrs, Volume= 9,095 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 4.00-72.00 hrs, dt= 0.02 hrs

**Summary for Link C: Project Limits - (Open Space)**

Inflow Area = 273,900 sf, Inflow Depth = 0.73" for 2-year event  
 Inflow = 3.19 cfs @ 12.31 hrs, Volume= 16,685 cf  
 Primary = 3.19 cfs @ 12.31 hrs, Volume= 16,685 cf, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 4.00-72.00 hrs, dt= 0.02 hrs