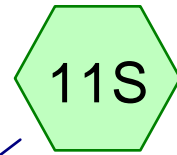
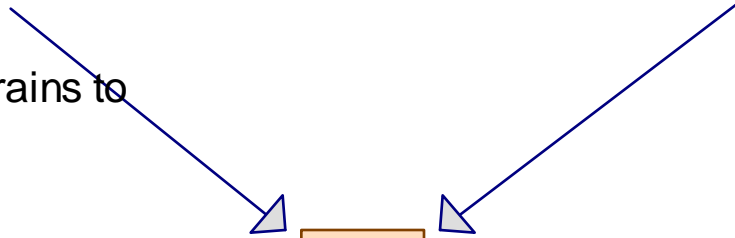




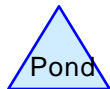
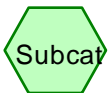
West Side (Drains to Ohio)



East Site



(new Reach)



**Exist rational 100yr**

*KS-Sedgwick County 100-Year Duration=61 min, Inten=3.69 in/hr*

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Time span=0.00-4.00 hrs, dt=0.01 hrs, 401 points  
Runoff by Rational method, Rise/Fall=1.0/1.0 xTc  
Reach routing by Stor-Ind method - Pond routing by Stor-Ind method

**Subcatchment 11S: East Site**

Runoff Area=10.350 ac Runoff Depth=2.43"  
FlowLength=1,600 Tc=61.1 min C=0.65 Runoff=24.90 cfs 2.098 af

**Subcatchment 12S: West Side (Drains to Ohio)**

Runoff Area=7.050 ac Runoff Depth=2.44"  
FlowLength=1,020 Tc=60.9 min C=0.65 Runoff=16.99 cfs 1.432 af

**Reach 13R: (new Reach)**

Inflow=41.89 cfs 3.530 af  
Outflow=41.89 cfs 3.530 af

**Total Runoff Area = 17.400 ac Runoff Volume = 3.530 af Average Runoff Depth = 2.43"**

**Exist rational 100yr**

KS-Sedgwick County 100-Year Duration=61 min, Inten=3.69 in/hr

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**Subcatchment 11S: East Site**

Runoff = 24.90 cfs @ 1.02 hrs, Volume= 2.098 af, Depth= 2.43"

Runoff by Rational method, Rise/Fall=1.0/1.0 x Tc, Time Span= 0.00-4.00 hrs, dt= 0.01 hrs  
 KS-Sedgwick County 100-Year Duration=61 min, Inten=3.69 in/hr

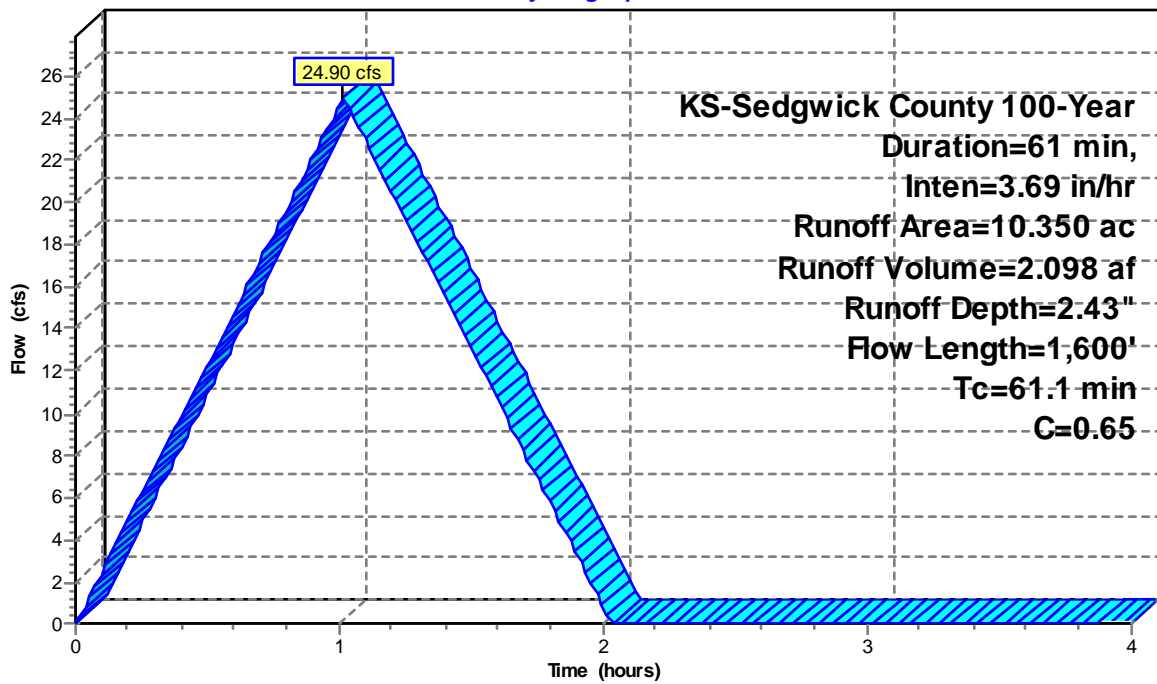
Area (ac)	C	Description
10.350	0.65	D Soil Conditions w/ less than 1%

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.7	300	0.0130	0.4		Sheet Flow, n=0.060 P2= 3.60"
48.4	1,300	0.0020	0.4		Shallow Concentrated Flow, Nearly Bare & Untilled Kv= 10.0 fps
61.1	1,600	Total			

**Subcatchment 11S: East Site**

Hydrograph



Runoff

**Exist rational 100yr**

KS-Sedgwick County 100-Year Duration=61 min, Inten=3.69 in/hr

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**Subcatchment 12S: West Side (Drains to Ohio)**

Runoff = 16.99 cfs @ 1.02 hrs, Volume= 1.432 af, Depth= 2.44"

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-4.00 hrs, dt= 0.01 hrs  
 KS-Sedgwick County 100-Year Duration=61 min, Inten=3.69 in/hr

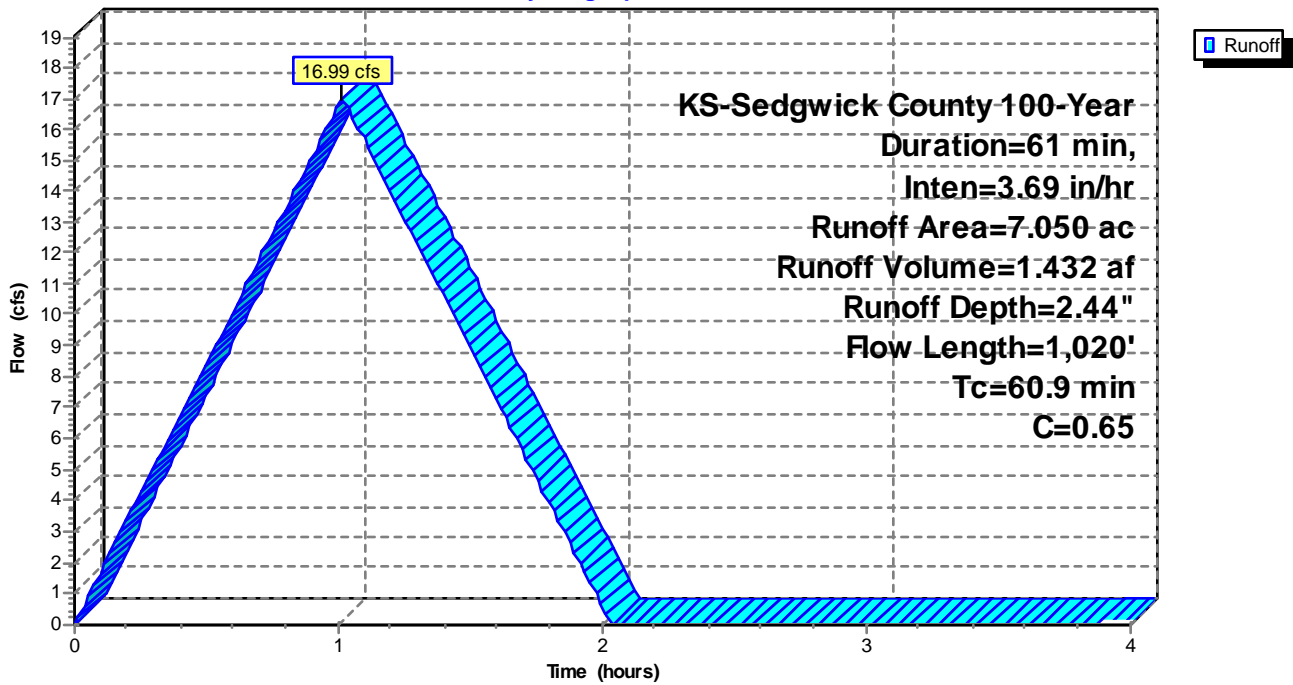
Area (ac)	C	Description
7.050	0.65	

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
18.3	220		0.2		Direct Entry, Surface
42.6	800	0.0020	0.3		Shallow Concentrated Flow, Short Grass Pasture Kv= 7.0 fps
60.9	1,020	Total			

**Subcatchment 12S: West Side (Drains to Ohio)**

Hydrograph



### Reach 13R: (new Reach)

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 17.400 ac, Inflow Depth = 2.43" for 100-Year event  
Inflow = 41.89 cfs @ 1.02 hrs, Volume= 3.530 af  
Outflow = 41.89 cfs @ 1.02 hrs, Volume= 3.530 af, Atten=0%, Lag= 0.0 min

Routing by Stor-Ind method, Time Span= 0.00-4.00 hrs, dt= 0.01 hrs

### Reach 13R: (new Reach)

Hydrograph

