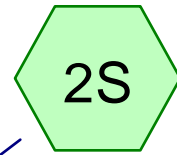
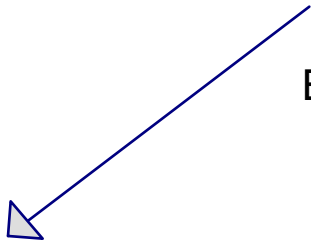
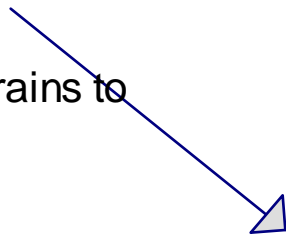


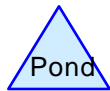
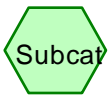
West Side (Drains to Ohio)



East Site



(new Reach)



Exist rational 5yr

KS-Sedgwick County 5-Year Duration=61 min, Inten=2.13 in/hr

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Page 2

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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 1S: West Side (Drains to Ohio)

Runoff Area=7.050 ac Runoff Depth=0.76"
FlowLength=1,020 Tc=60.9 min C=0.35 Runoff=5.27 cfs 0.444 af

Subcatchment 2S: East Site

Runoff Area=10.350 ac Runoff Depth=0.76"
FlowLength=1,600 Tc=61.1 min C=0.35 Runoff=7.73 cfs 0.651 af

Reach 3R: (new Reach)

Inflow=13.00 cfs 1.096 af
Outflow=13.00 cfs 1.096 af

Total Runoff Area = 17.400 ac Runoff Volume = 1.096 af Average Runoff Depth = 0.76"

Exist rational 5yr

KS-Sedgwick County 5-Year Duration=61 min, Inten=2.13 in/hr

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Subcatchment 1S: West Side (Drains to Ohio)

Runoff = 5.27 cfs @ 1.02 hrs, Volume= 0.444 af, Depth= 0.76"

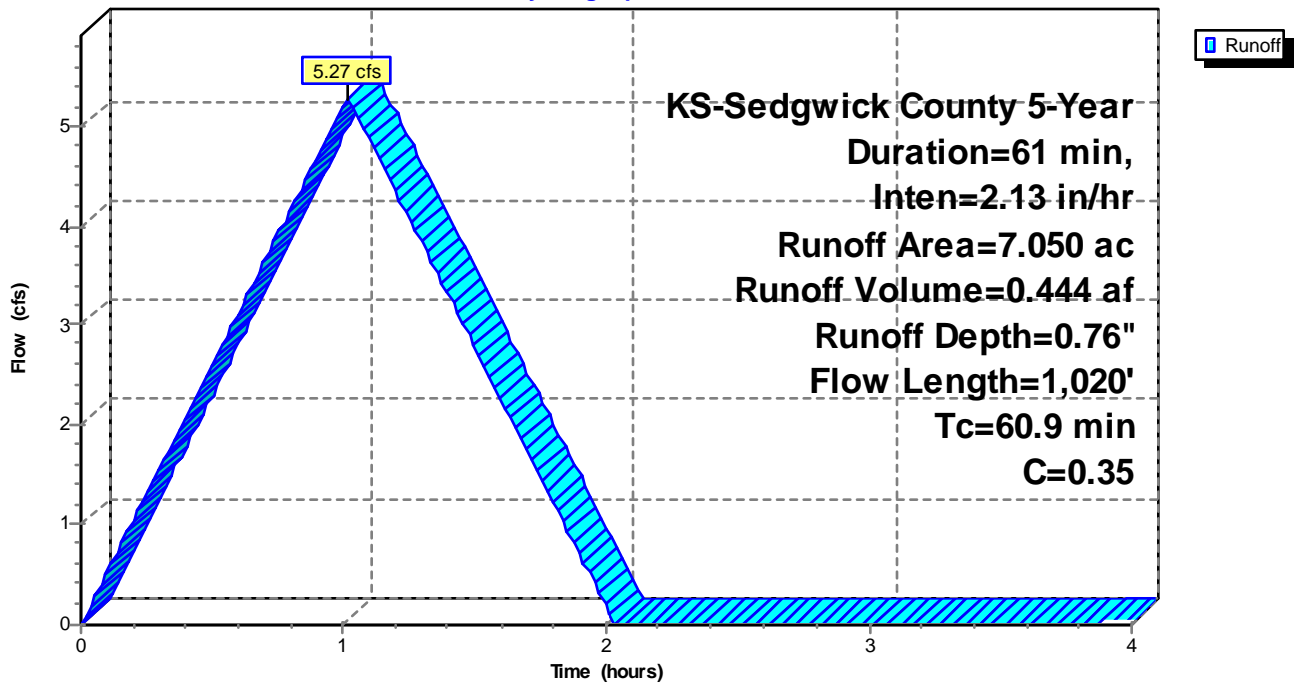
Runoff by Rational method, Rise/Fall=1.0/1.0 x Tc, Time Span= 0.00-4.00 hrs, dt= 0.01 hrs
 KS-Sedgwick County 5-Year Duration=61 min, Inten=2.13 in/hr

Area (ac)	C	Description
7.050	0.35	

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 1S: West Side (Drains to Ohio)

Hydrograph



Exist rational 5yr

KS-Sedgwick County 5-Year Duration=61 min, Inten=2.13 in/hr

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Subcatchment 2S: East Site

Runoff = 7.73 cfs @ 1.02 hrs, Volume= 0.651 af, Depth= 0.76"

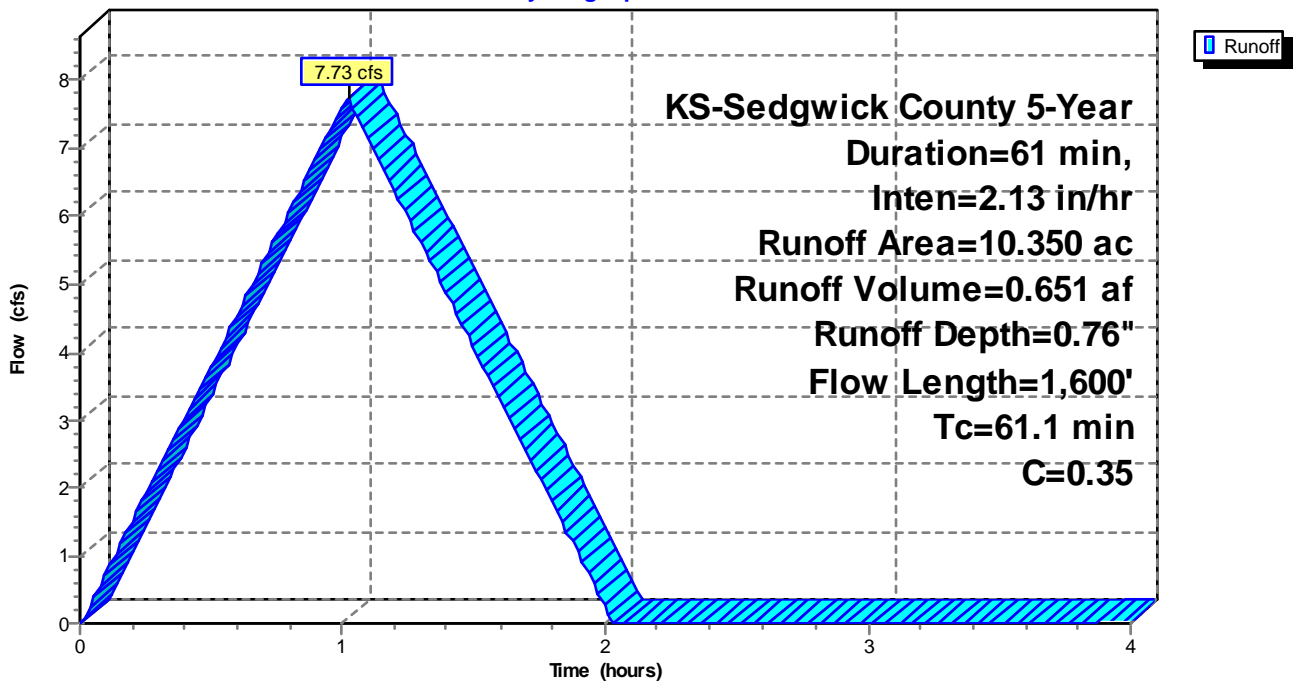
Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-4.00 hrs, dt= 0.01 hrs
 KS-Sedgwick County 5-Year Duration=61 min, Inten=2.13 in/hr

Area (ac)	C	Description
10.350	0.35	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 2S: East Site

Hydrograph



Reach 3R: (new Reach)

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

Inflow Area = 17.400 ac, Inflow Depth = 0.76" for 5-Year event
Inflow = 13.00 cfs @ 1.02 hrs, Volume= 1.096 af
Outflow = 13.00 cfs @ 1.02 hrs, Volume= 1.096 af, Atten=0%, Lag=0.0 min

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

Reach 3R: (new Reach)

Hydrograph

