

Summary for Subcatchment 5S: existing site

existing vacant lot with overgrown vegetation and broken stones from house previously on site

[48] Hint: Peak<CiA due to short duration

Runoff = 0.12 cfs @ 0.17 hrs, Volume= 0.002 af, Depth= 0.63"

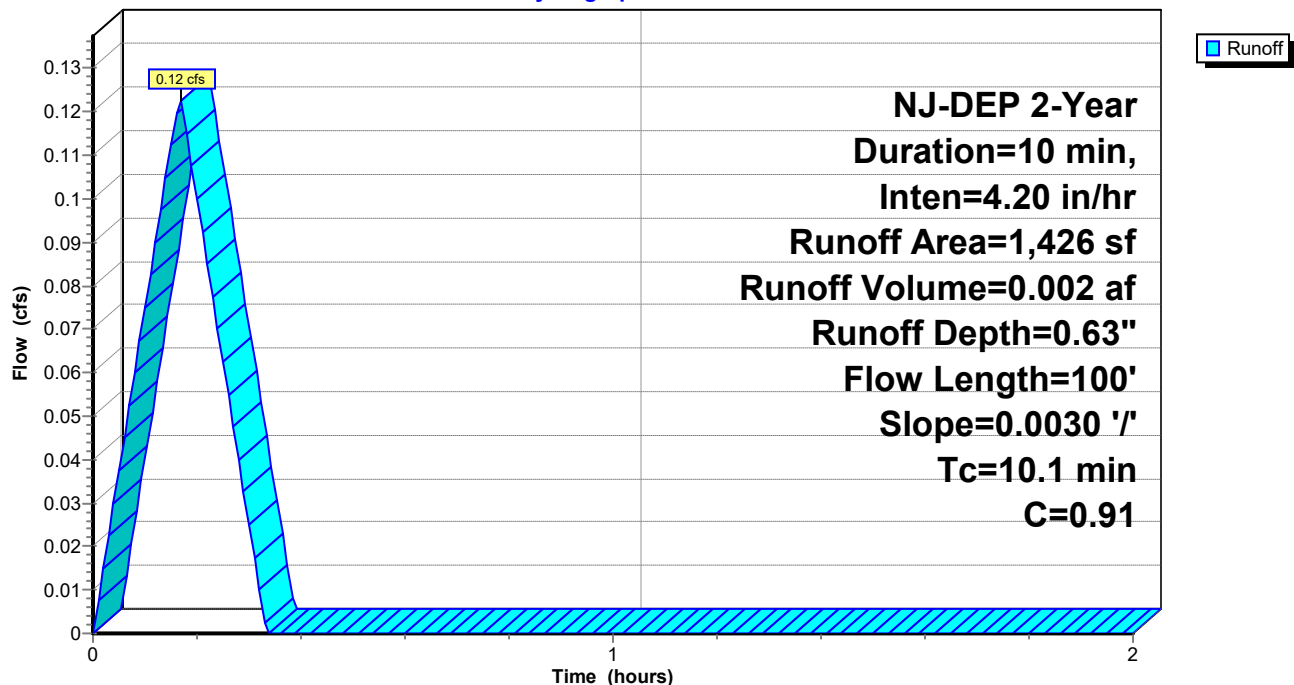
Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-2.00 hrs, dt= 0.01 hrs
NJ-DEP 2-Year Duration=10 min, Inten=4.20 in/hr

Area (sf)	C	Description
990	0.98	house
436	0.76	veg
1,426	0.91	Weighted Average
436		30.58% Pervious Area
990		69.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.1	100	0.0030	0.16		Shallow Concentrated Flow, Kv= 3.0 fps

Subcatchment 5S: existing site

Hydrograph



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[48] Hint: Peak<CiA due to short duration

Runoff = 0.17 cfs @ 0.17 hrs, Volume= 0.002 af, Depth= 0.87"

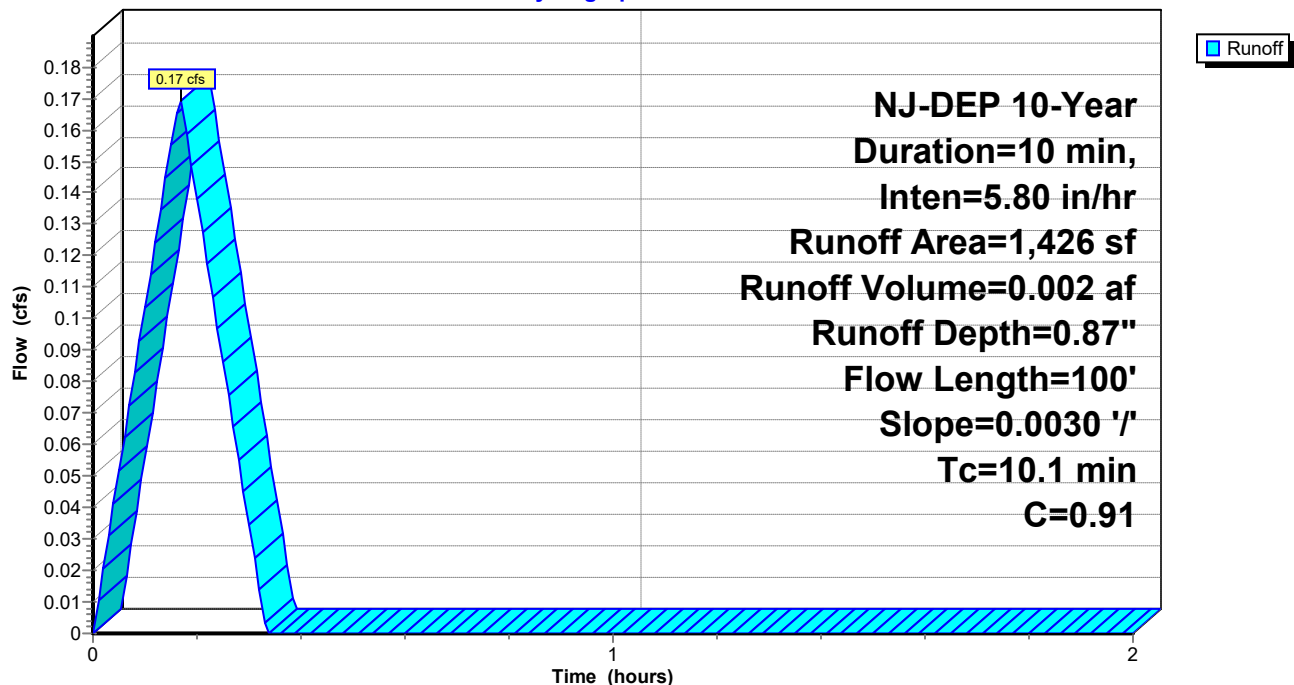
Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-2.00 hrs, dt= 0.01 hrs
NJ-DEP 10-Year Duration=10 min, Inten=5.80 in/hr

Area (sf)	C	Description
990	0.98	house
436	0.76	veg
1,426	0.91	Weighted Average
436		30.58% Pervious Area
990		69.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.1	100	0.0030	0.16		Shallow Concentrated Flow, Kv= 3.0 fps

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[48] Hint: Peak<CiA due to short duration

Runoff = 0.20 cfs @ 0.17 hrs, Volume= 0.003 af, Depth= 1.01"

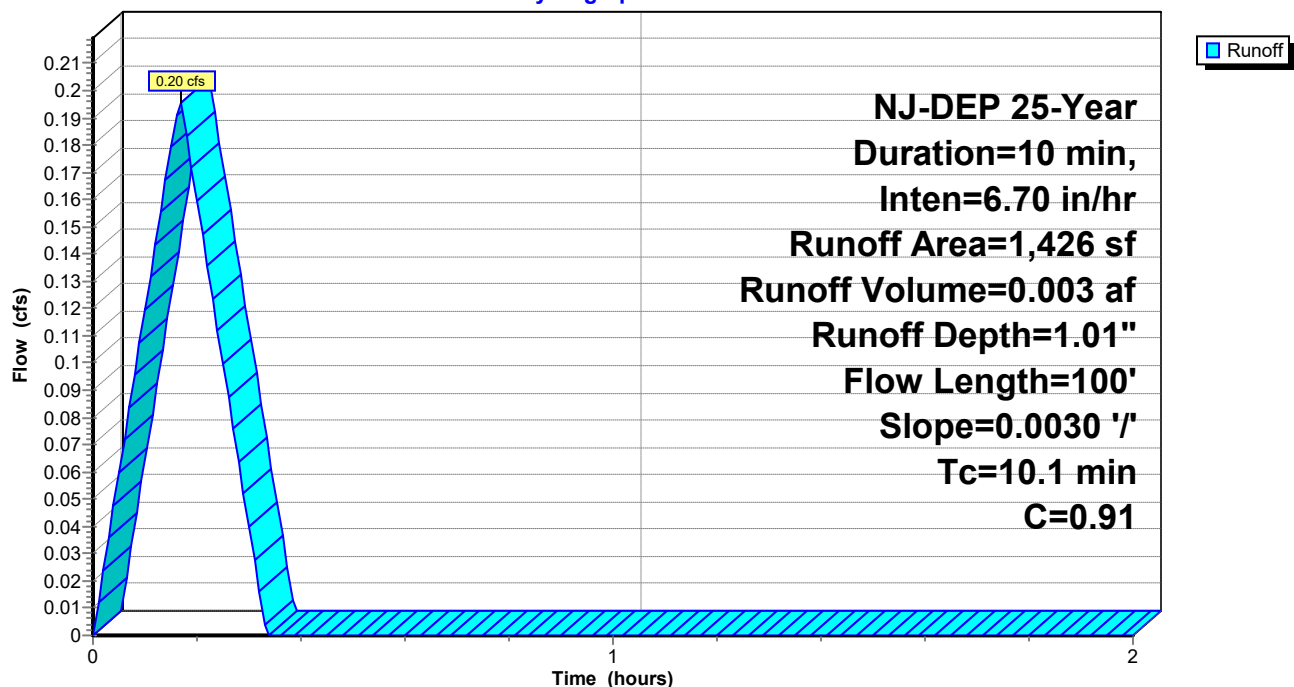
Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-2.00 hrs, dt= 0.01 hrs
NJ-DEP 25-Year Duration=10 min, Inten=6.70 in/hr

Area (sf)	C	Description
990	0.98	house
436	0.76	veg
1,426	0.91	Weighted Average
436		30.58% Pervious Area
990		69.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.1	100	0.0030	0.16		Shallow Concentrated Flow, Kv= 3.0 fps

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Hydrograph



Summary for Subcatchment 5S: existing site

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[48] Hint: Peak<CiA due to short duration

Runoff = 0.23 cfs @ 0.17 hrs, Volume= 0.003 af, Depth= 1.20"

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-2.00 hrs, dt= 0.01 hrs
NJ-DEP 100-Year Duration=10 min, Inten=8.00 in/hr

Area (sf)	C	Description
990	0.98	house
436	0.76	veg
1,426	0.91	Weighted Average
436		30.58% Pervious Area
990		69.42% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.1	100	0.0030	0.16		Shallow Concentrated Flow, Kv= 3.0 fps

Subcatchment 5S: existing site

Hydrograph

