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782.gpw

Hydraflow Hydrographs by Intelisolve

Wednesday, Jun 6 2018, 4:53 PM

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# Hydrograph Return Period Recap

Hyd. No.	Hydrograph type (origin)	Inflow Hyd(s)	Peak Outflow (cfs)								Hydrograph description
			1-Yr	2-Yr	3-Yr	5-Yr	10-Yr	25-Yr	50-Yr	100-Yr	
1	SCS Runoff	-----	-----	0.34	-----	-----	0.66	0.90	1.06	1.24	ROOF
Proj. file: 782.gpw											
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# Hydrograph Summary Report

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Maximum storage (cuft)	Hydrograph description
1	SCS Runoff	0.34	5	730	1,477	----	-----	-----	ROOF
782.gpw					Return Period: 2 Year			Wednesday, Jun 6 2018, 4:53 PM	

# Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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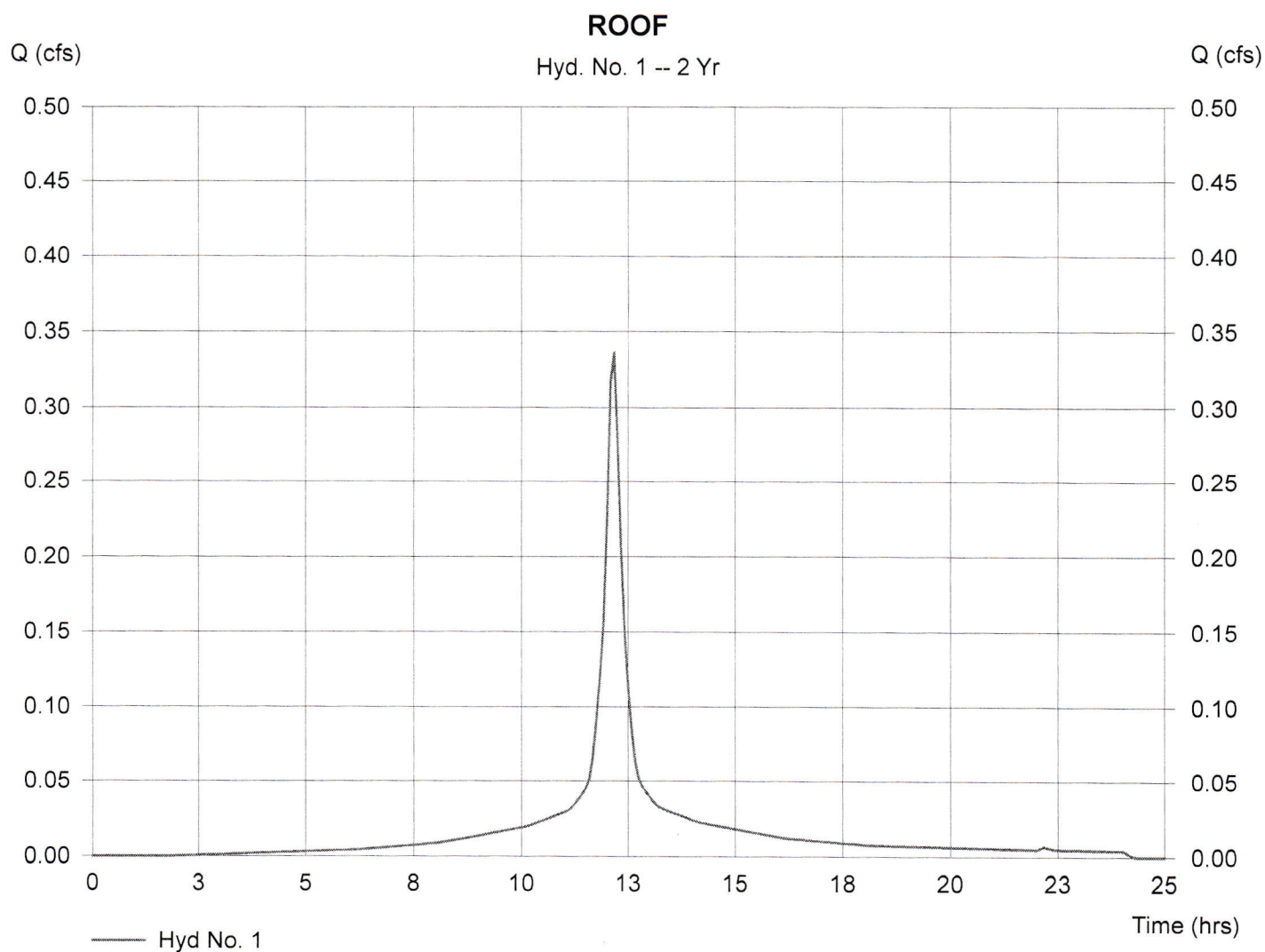
## Hyd. No. 1

### ROOF

Hydrograph type = SCS Runoff  
 Storm frequency = 2 yrs  
 Drainage area = 0.220 ac  
 Basin Slope = 0.0 %  
 Tc method = USER  
 Total precip. = 2.20 in  
 Storm duration = 24 hrs

Peak discharge = 0.34 cfs  
 Time interval = 5 min  
 Curve number = 98  
 Hydraulic length = 0 ft  
 Time of conc. (Tc) = 10.00 min  
 Distribution = Type III  
 Shape factor = 484

Hydrograph Volume = 1,477 cuft



# Hydrograph Summary Report

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Maximum storage (cuft)	Hydrograph description
1	SCS Runoff	0.66	5	730	3,006	----	-----	-----	ROOF
782.gpw					Return Period: 10 Year			Wednesday, Jun 6 2018, 4:53 PM	

# Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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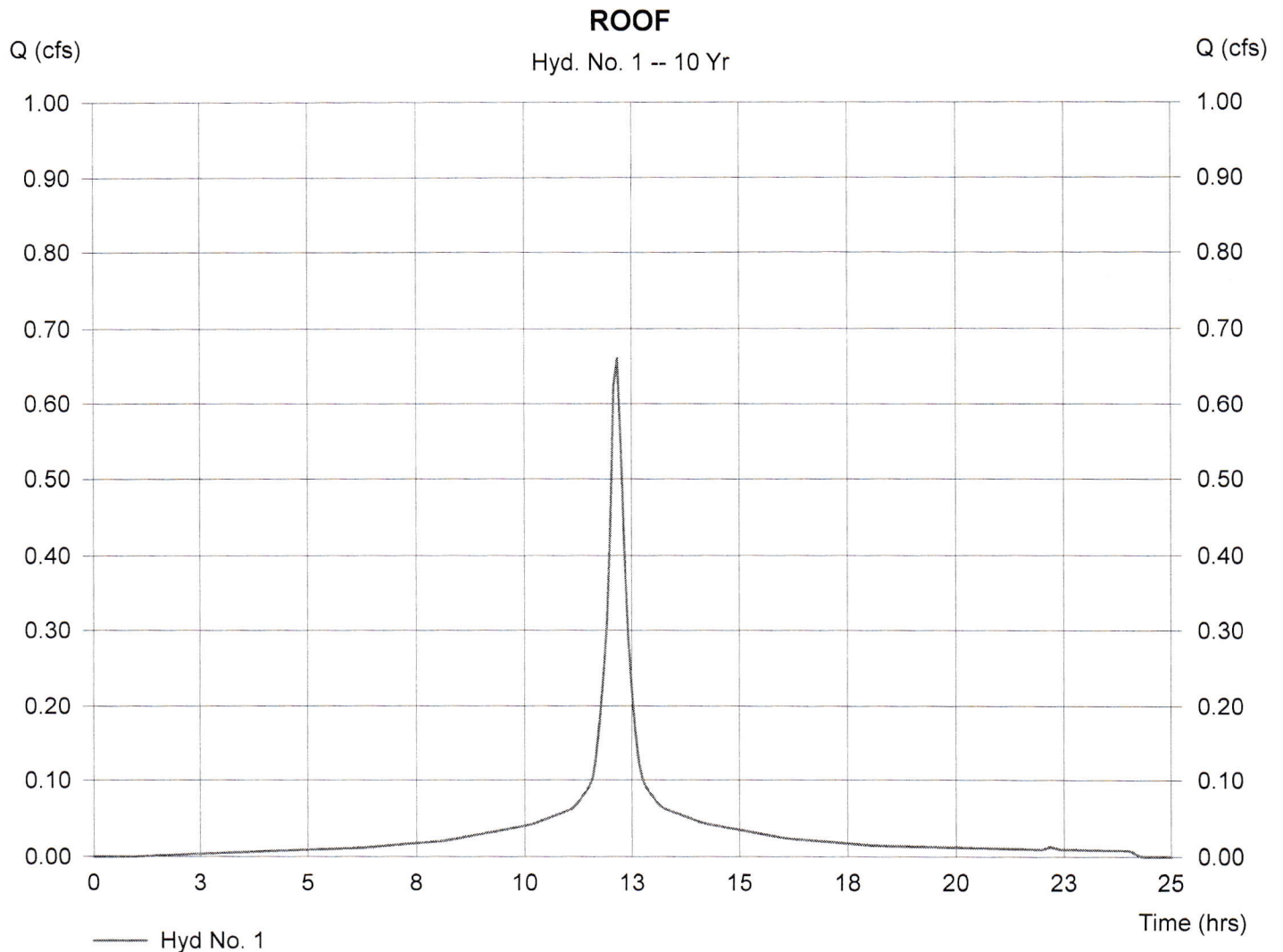
## Hyd. No. 1

ROOF

Hydrograph type = SCS Runoff  
 Storm frequency = 10 yrs  
 Drainage area = 0.220 ac  
 Basin Slope = 0.0 %  
 Tc method = USER  
 Total precip. = 4.25 in  
 Storm duration = 24 hrs

Peak discharge = 0.66 cfs  
 Time interval = 5 min  
 Curve number = 98  
 Hydraulic length = 0 ft  
 Time of conc. (Tc) = 10.00 min  
 Distribution = Type III  
 Shape factor = 484

Hydrograph Volume = 3,006 cuft





# Hydrograph Summary Report

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Maximum storage (cuft)	Hydrograph description
1	SCS Runoff	0.90	5	730	4,142	----	-----	-----	ROOF
782.gpw					Return Period: 25 Year			Wednesday, Jun 6 2018, 4:53 PM	

# Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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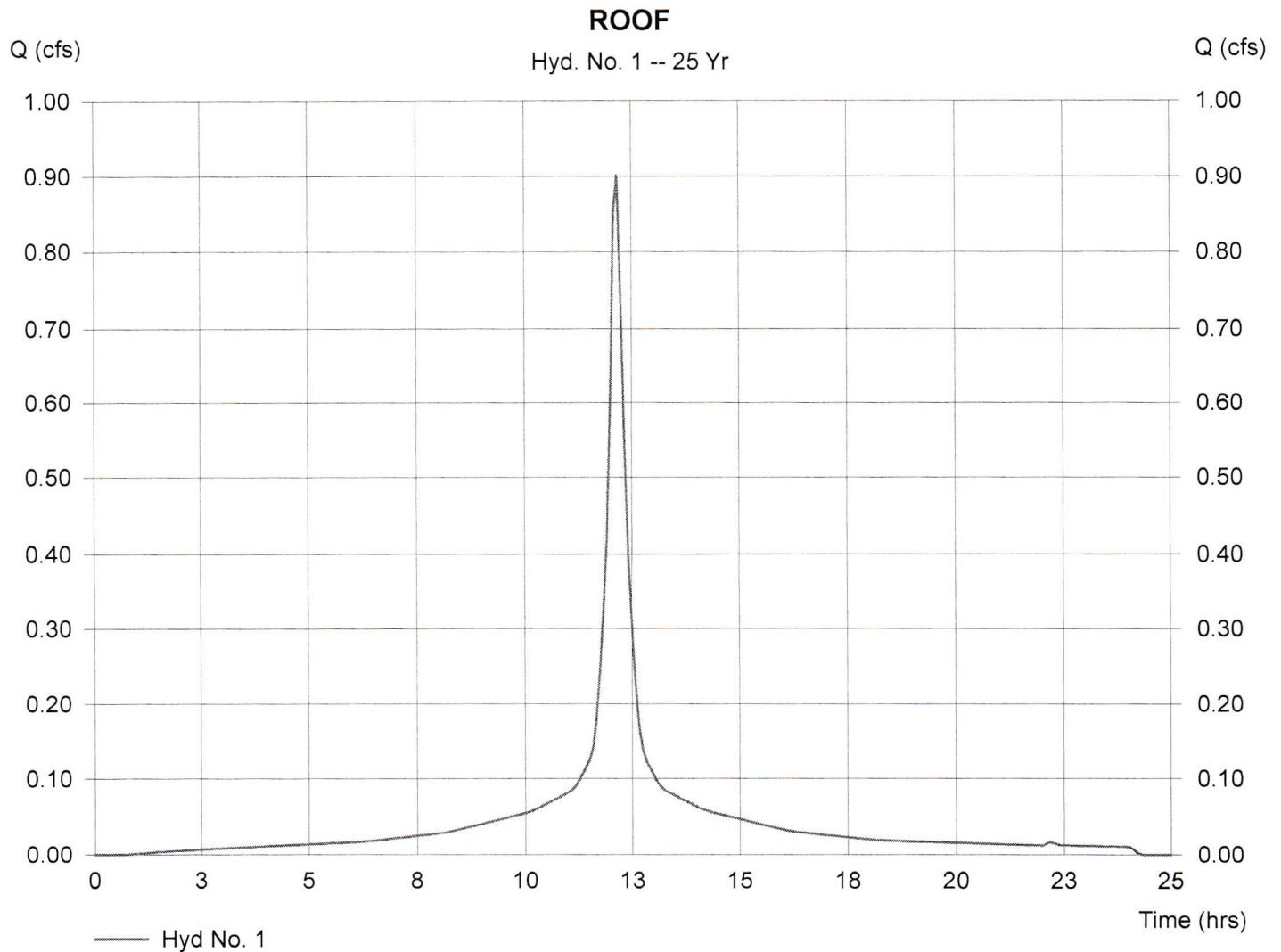
## Hyd. No. 1

### ROOF

Hydrograph type = SCS Runoff  
 Storm frequency = 25 yrs  
 Drainage area = 0.220 ac  
 Basin Slope = 0.0 %  
 Tc method = USER  
 Total precip. = 5.77 in  
 Storm duration = 24 hrs

Peak discharge = 0.90 cfs  
 Time interval = 5 min  
 Curve number = 98  
 Hydraulic length = 0 ft  
 Time of conc. (Tc) = 10.00 min  
 Distribution = Type III  
 Shape factor = 484

Hydrograph Volume = 4,142 cuft





# Hydrograph Summary Report

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Maximum storage (cuft)	Hydrograph description
1	SCS Runoff	1.06	5	730	4,912	----	-----	-----	ROOF
782.gpw					Return Period: 50 Year			Wednesday, Jun 6 2018, 4:53 PM	

# Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

Wednesday, Jun 6 2018, 4:53 PM

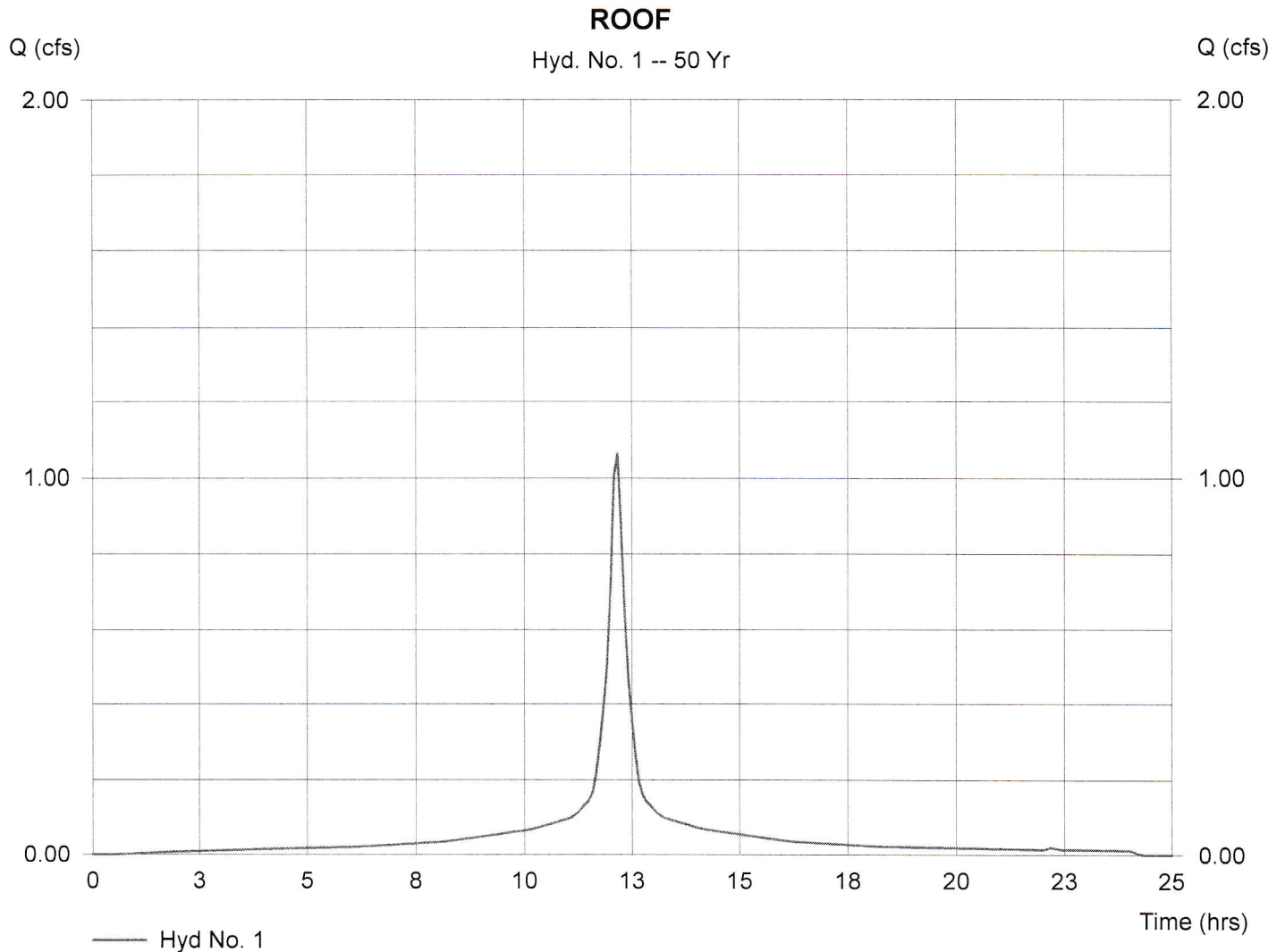
## Hyd. No. 1

ROOF

Hydrograph type = SCS Runoff  
 Storm frequency = 50 yrs  
 Drainage area = 0.220 ac  
 Basin Slope = 0.0 %  
 Tc method = USER  
 Total precip. = 6.80 in  
 Storm duration = 24 hrs

Peak discharge = 1.06 cfs  
 Time interval = 5 min  
 Curve number = 98  
 Hydraulic length = 0 ft  
 Time of conc. (Tc) = 10.00 min  
 Distribution = Type III  
 Shape factor = 484

Hydrograph Volume = 4,912 cuft



# Hydrograph Summary Report

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Maximum storage (cuft)	Hydrograph description
1	SCS Runoff	1.24	5	730	5,773	---	-----	-----	ROOF
782.gpw					Return Period: 100 Year			Wednesday, Jun 6 2018, 4:53 PM	

# Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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## Hyd. No. 1

ROOF

Hydrograph type	=	SCS Runoff	Peak discharge	=	1.24 cfs
Storm frequency	=	100 yrs	Time interval	=	5 min
Drainage area	=	0.220 ac	Curve number	=	98
Basin Slope	=	0.0 %	Hydraulic length	=	0 ft
Tc method	=	USER	Time of conc. (Tc)	=	10.00 min
Total precip.	=	7.95 in	Distribution	=	Type III
Storm duration	=	24 hrs	Shape factor	=	484

Hydrograph Volume = 5,773 cuft

