


# Watershed Model Schematic

1 - Tyler's 4th Exist  


**Legend**

<u>Hyd.</u>	<u>Origin</u>	<u>Description</u>
1	Rational	Tyler's 4th Exist

# Hydrograph Report

## Hyd. No. 1

Tyler's 4th Exist

Hydrograph type = Rational  
Storm frequency = 2 yrs  
Time interval = 1 min  
Drainage area = 9.300 ac  
Intensity = 3.264 in/hr  
IDF Curve = wichita.IDF

Peak discharge = 19.12 cfs  
Time to peak = 21 min  
Hyd. volume = 0.553 acft  
Runoff coeff. = 0.63  
Tc by TR55 = 21.00 min  
Asc/Rec limb fact = 1/1



# Hydrograph Report

Hydraflow Hydrographs by Intellisolve v9.02

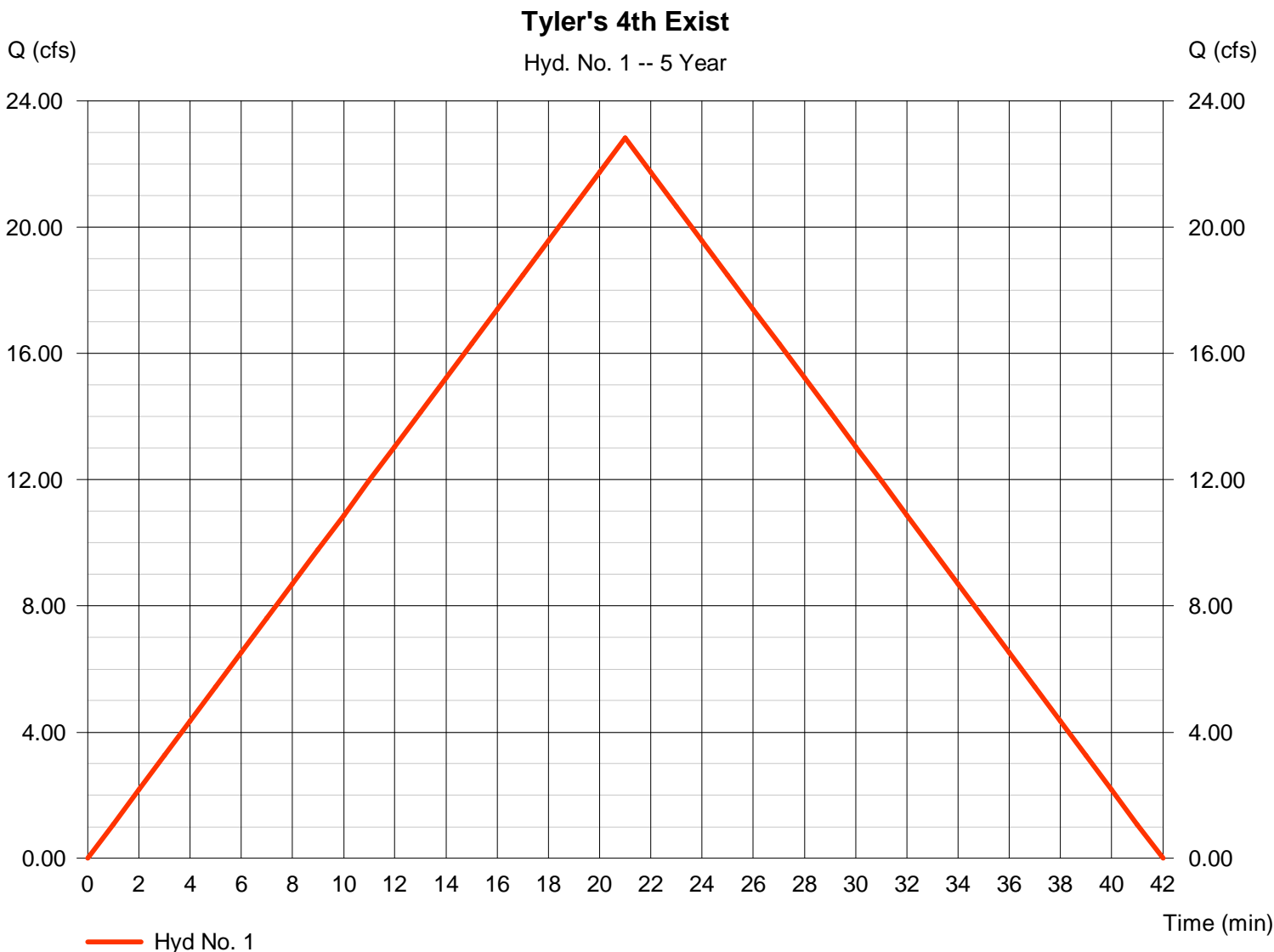
Tuesday, May 13, 2008

## Hyd. No. 1

Tyler's 4th Exist

Hydrograph type = Rational  
Storm frequency = 5 yrs  
Time interval = 1 min  
Drainage area = 9.300 ac  
Intensity = 3.898 in/hr  
IDF Curve = wichita.IDF

Peak discharge = 22.84 cfs  
Time to peak = 21 min  
Hyd. volume = 0.661 acft  
Runoff coeff. = 0.63  
Tc by TR55 = 21.00 min  
Asc/Rec limb fact = 1/1



# Hydrograph Report

Hydraflow Hydrographs by Intellisolve v9.02

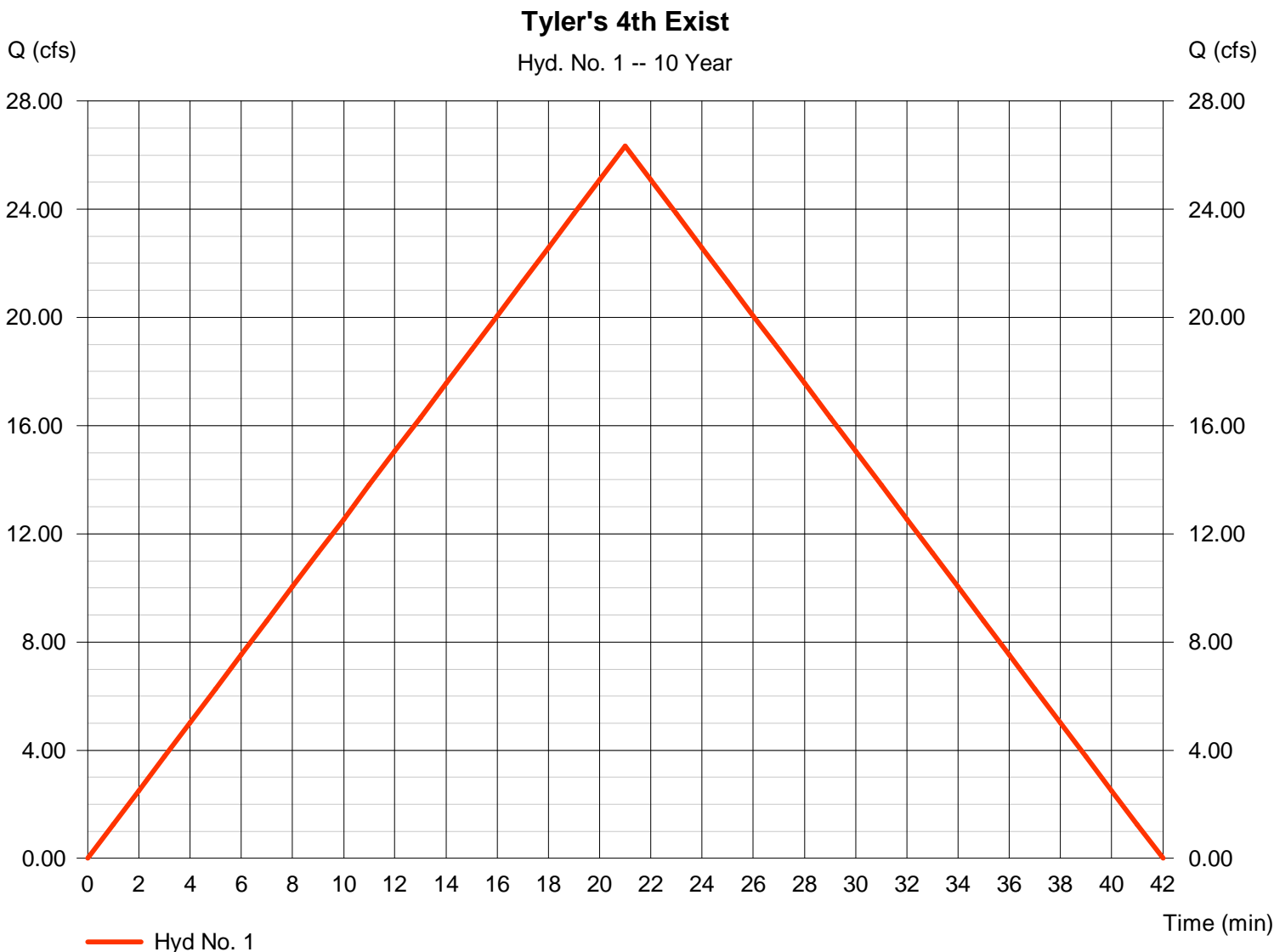
Tuesday, May 13, 2008

## Hyd. No. 1

Tyler's 4th Exist

Hydrograph type = Rational  
 Storm frequency = 10 yrs  
 Time interval = 1 min  
 Drainage area = 9.300 ac  
 Intensity = 4.496 in/hr  
 IDF Curve = wichita.IDF

Peak discharge = 26.34 cfs  
 Time to peak = 21 min  
 Hyd. volume = 0.762 acft  
 Runoff coeff. = 0.63  
 Tc by TR55 = 21.00 min  
 Asc/Rec limb fact = 1/1



# Hydrograph Report

Hydraflow Hydrographs by Intelisolve v9.02

Tuesday, May 13, 2008

## Hyd. No. 1

Tyler's 4th Exist

Hydrograph type = Rational  
Storm frequency = 50 yrs  
Time interval = 1 min  
Drainage area = 9.300 ac  
Intensity = 5.868 in/hr  
IDF Curve = wichita.IDF

Peak discharge = 34.38 cfs  
Time to peak = 21 min  
Hyd. volume = 0.994 acft  
Runoff coeff. = 0.63  
Tc by TR55 = 21.00 min  
Asc/Rec limb fact = 1/1



# Hydrograph Report

Hydraflow Hydrographs by Intelisolve v9.02

Tuesday, May 13, 2008

## Hyd. No. 1

Tyler's 4th Exist

Hydrograph type = Rational  
 Storm frequency = 100 yrs  
 Time interval = 1 min  
 Drainage area = 9.300 ac  
 Intensity = 6.390 in/hr  
 IDF Curve = wichita.IDF

Peak discharge = 37.44 cfs  
 Time to peak = 21 min  
 Hyd. volume = 1.083 acft  
 Runoff coeff. = 0.63  
 Tc by TR55 = 21.00 min  
 Asc/Rec limb fact = 1/1

