

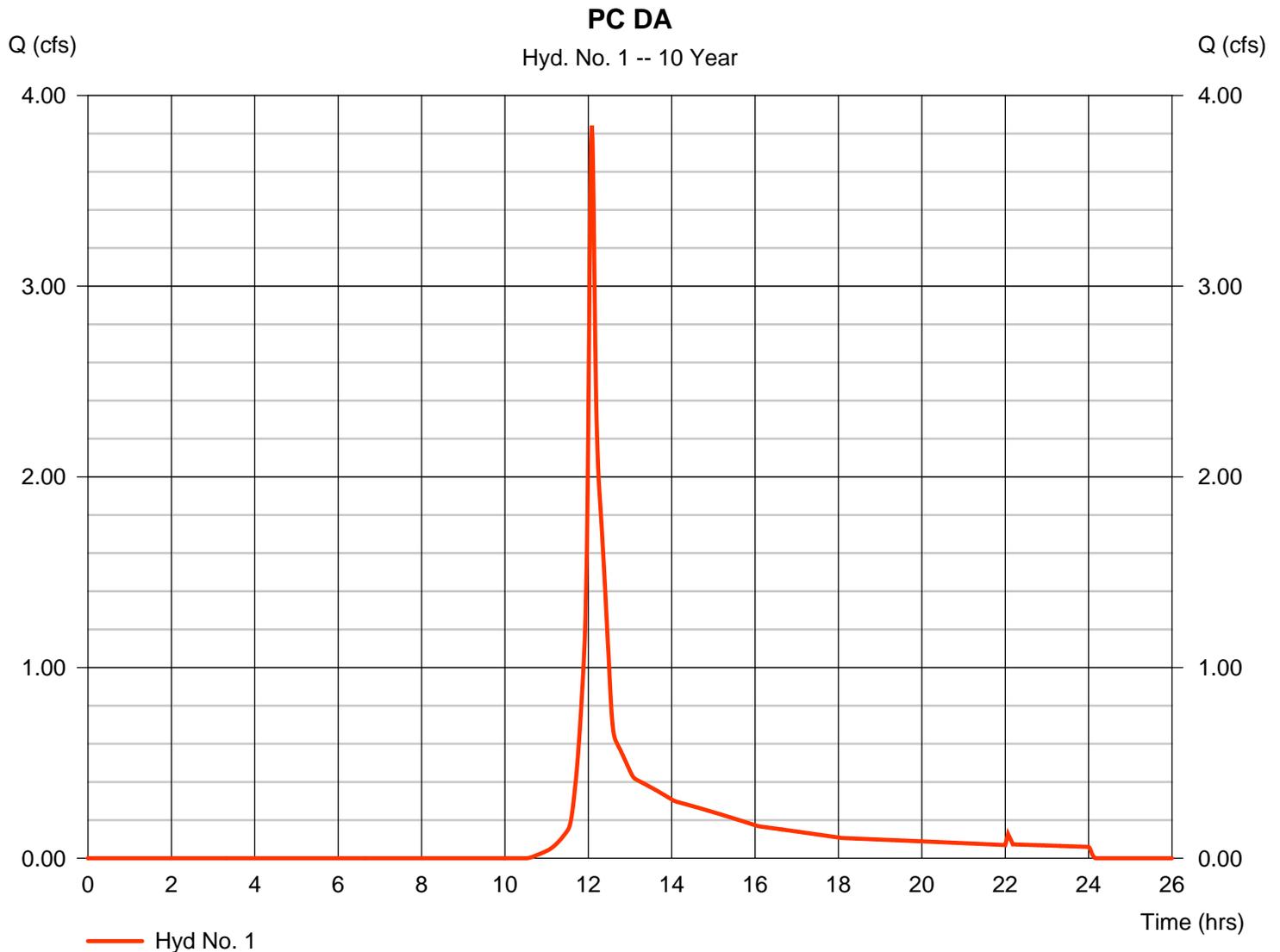
Hydrograph Report

Hyd. No. 1

PC DA

Hydrograph type	= SCS Runoff	Peak discharge	= 3.841 cfs
Storm frequency	= 10 yrs	Time to peak	= 12.08 hrs
Time interval	= 1 min	Hyd. volume	= 12,388 cuft
Drainage area	= 1.490 ac	Curve number	= 58*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= User	Time of conc. (Tc)	= 5.00 min
Total precip.	= 6.72 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 484

* Composite (Area/CN) = [(0.486 x 98) + (1.000 x 39)] / 1.490



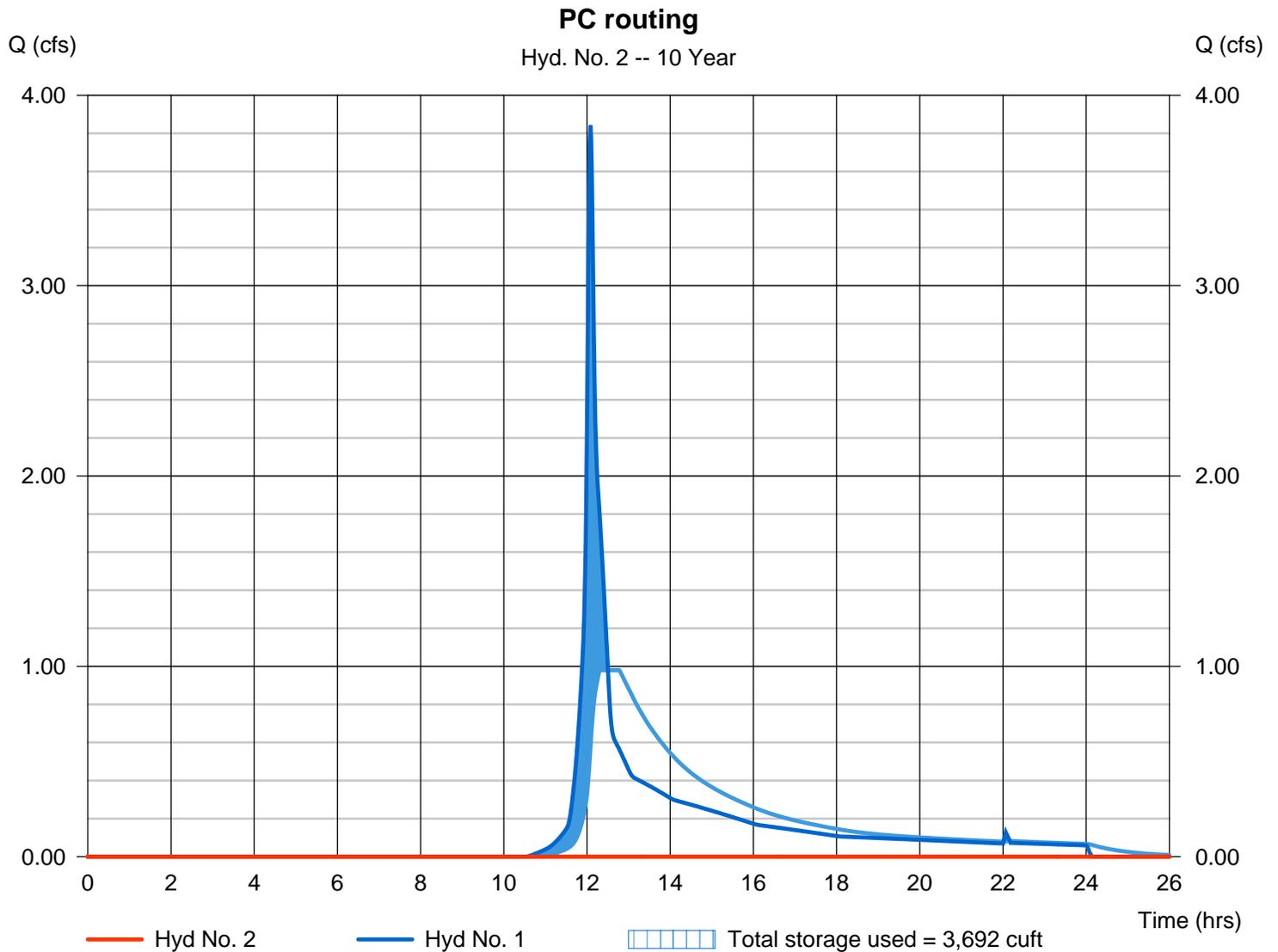
Hydrograph Report

Hyd. No. 2

PC routing

Hydrograph type	= Reservoir	Peak discharge	= 0.000 cfs
Storm frequency	= 10 yrs	Time to peak	= 13.32 hrs
Time interval	= 1 min	Hyd. volume	= 0 cuft
Inflow hyd. No.	= 1 - PC DA	Max. Elevation	= 25.55 ft
Reservoir name	= Airlie Office PC	Max. Storage	= 3,692 cuft

Storage Indication method used. Exfiltration extracted from Outflow.



Pond Report

Pond No. 1 - Airlie Office PC

Pond Data

Contours -User-defined contour areas. Conic method used for volume calculation. Begining Elevation = 25.00 ft. Voids = 40.00%

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	25.00	16,927	0	0
0.50	25.50	16,927	3,385	3,385
1.00	26.00	16,927	3,385	6,770
1.50	26.50	16,927	3,385	10,155

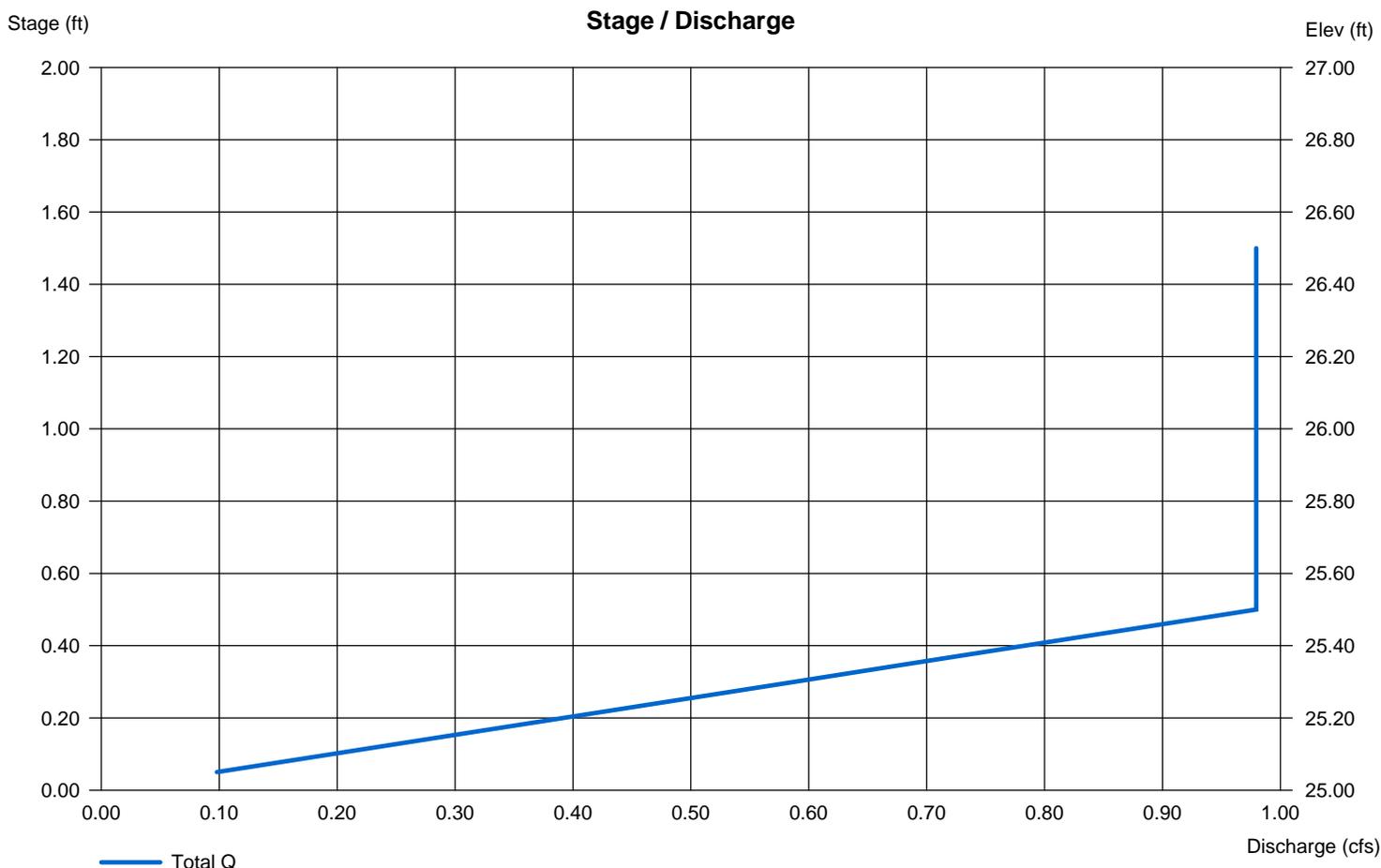
Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 0.00	0.00	0.00	0.00
Crest El. (ft)	= 0.00	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= ---	---	---	---
Multi-Stage	= No	No	No	No
Exfil.(in/hr)	= 2.500 (by Contour)			
TW Elev. (ft)	= 0.00			

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



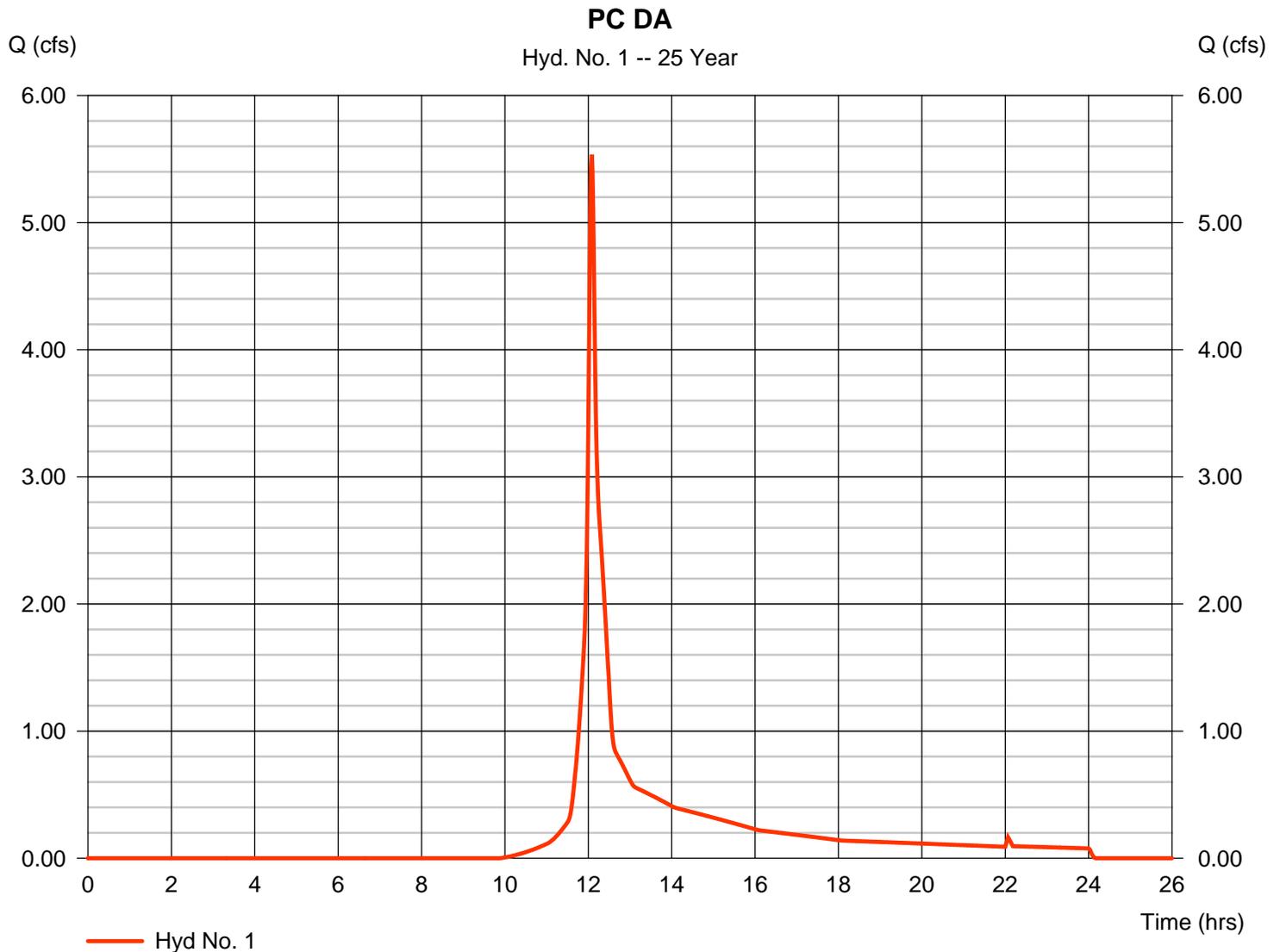
Hydrograph Report

Hyd. No. 1

PC DA

Hydrograph type	= SCS Runoff	Peak discharge	= 5.535 cfs
Storm frequency	= 25 yrs	Time to peak	= 12.08 hrs
Time interval	= 1 min	Hyd. volume	= 17,399 cuft
Drainage area	= 1.490 ac	Curve number	= 58*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= User	Time of conc. (Tc)	= 5.00 min
Total precip.	= 8.01 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 484

* Composite (Area/CN) = [(0.486 x 98) + (1.000 x 39)] / 1.490



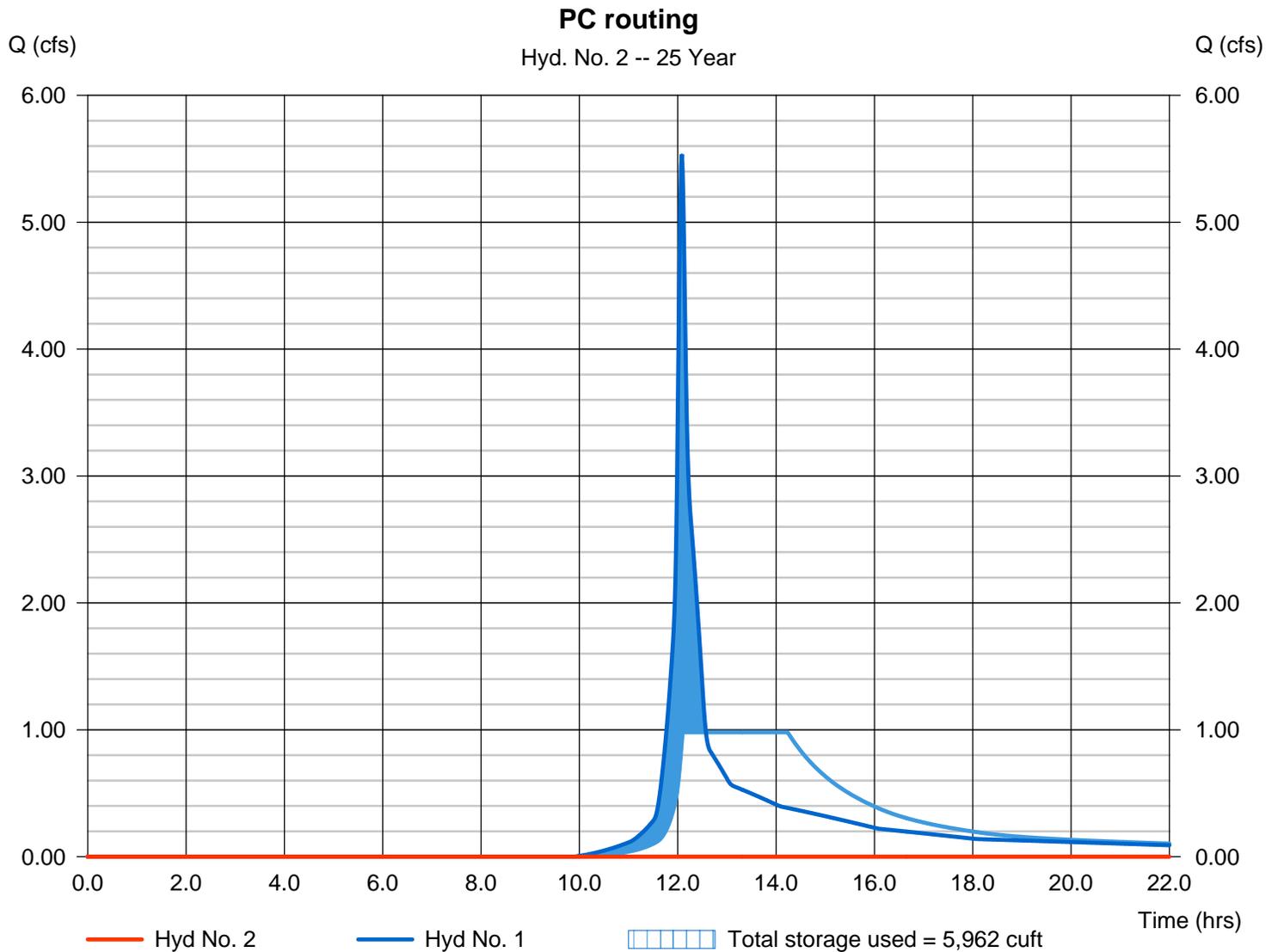
Hydrograph Report

Hyd. No. 2

PC routing

Hydrograph type	= Reservoir	Peak discharge	= 0.000 cfs
Storm frequency	= 25 yrs	Time to peak	= 14.85 hrs
Time interval	= 1 min	Hyd. volume	= 0 cuft
Inflow hyd. No.	= 1 - PC DA	Max. Elevation	= 25.88 ft
Reservoir name	= Airlie Office PC	Max. Storage	= 5,962 cuft

Storage Indication method used. Exfiltration extracted from Outflow.



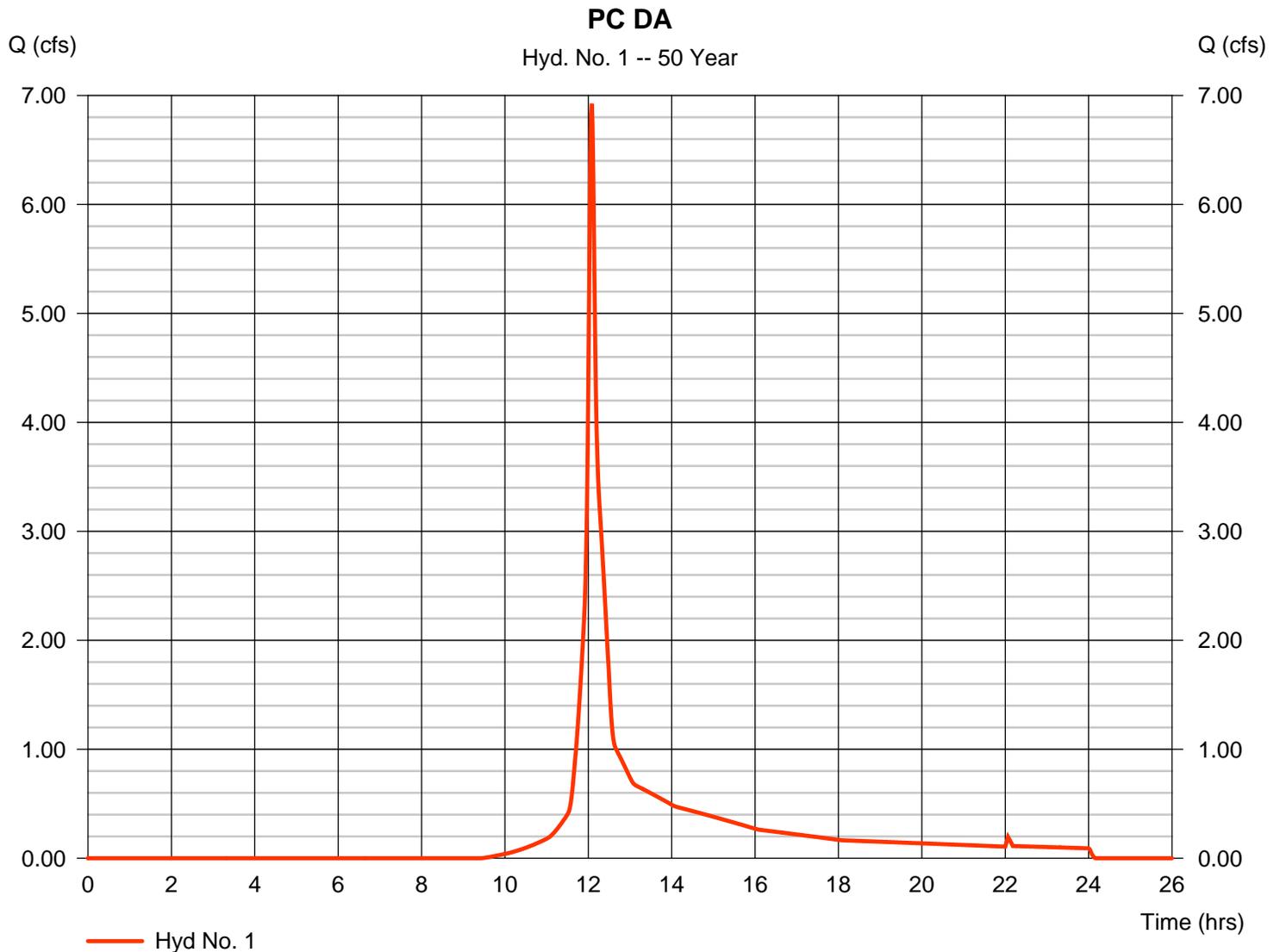
Hydrograph Report

Hyd. No. 1

PC DA

Hydrograph type	= SCS Runoff	Peak discharge	= 6.925 cfs
Storm frequency	= 50 yrs	Time to peak	= 12.08 hrs
Time interval	= 1 min	Hyd. volume	= 21,545 cuft
Drainage area	= 1.490 ac	Curve number	= 58*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= User	Time of conc. (Tc)	= 5.00 min
Total precip.	= 9.01 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 484

* Composite (Area/CN) = [(0.486 x 98) + (1.000 x 39)] / 1.490



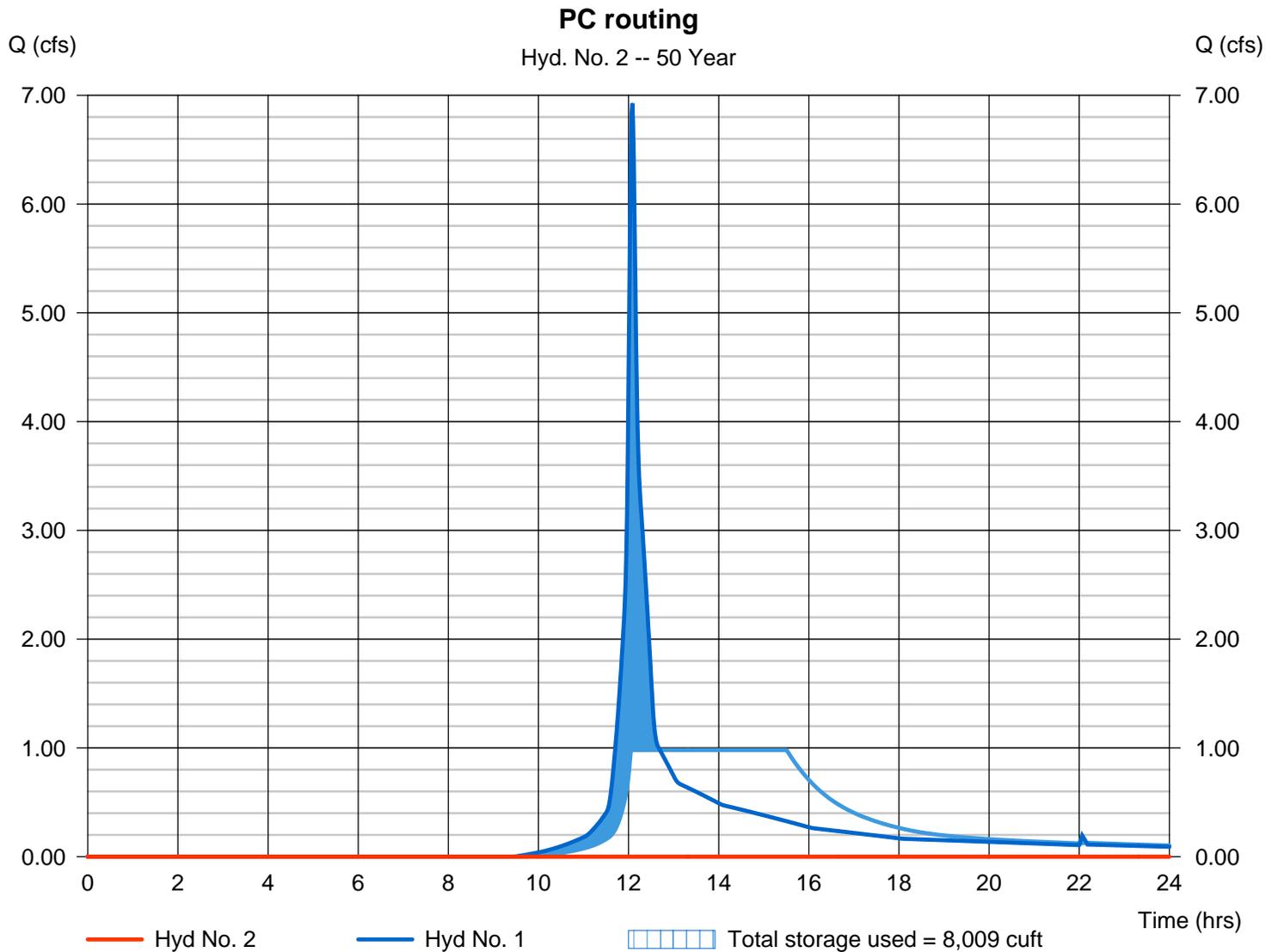
Hydrograph Report

Hyd. No. 2

PC routing

Hydrograph type	= Reservoir	Peak discharge	= 0.000 cfs
Storm frequency	= 50 yrs	Time to peak	= 16.37 hrs
Time interval	= 1 min	Hyd. volume	= 0 cuft
Inflow hyd. No.	= 1 - PC DA	Max. Elevation	= 26.18 ft
Reservoir name	= Airlie Office PC	Max. Storage	= 8,009 cuft

Storage Indication method used. Exfiltration extracted from Outflow.



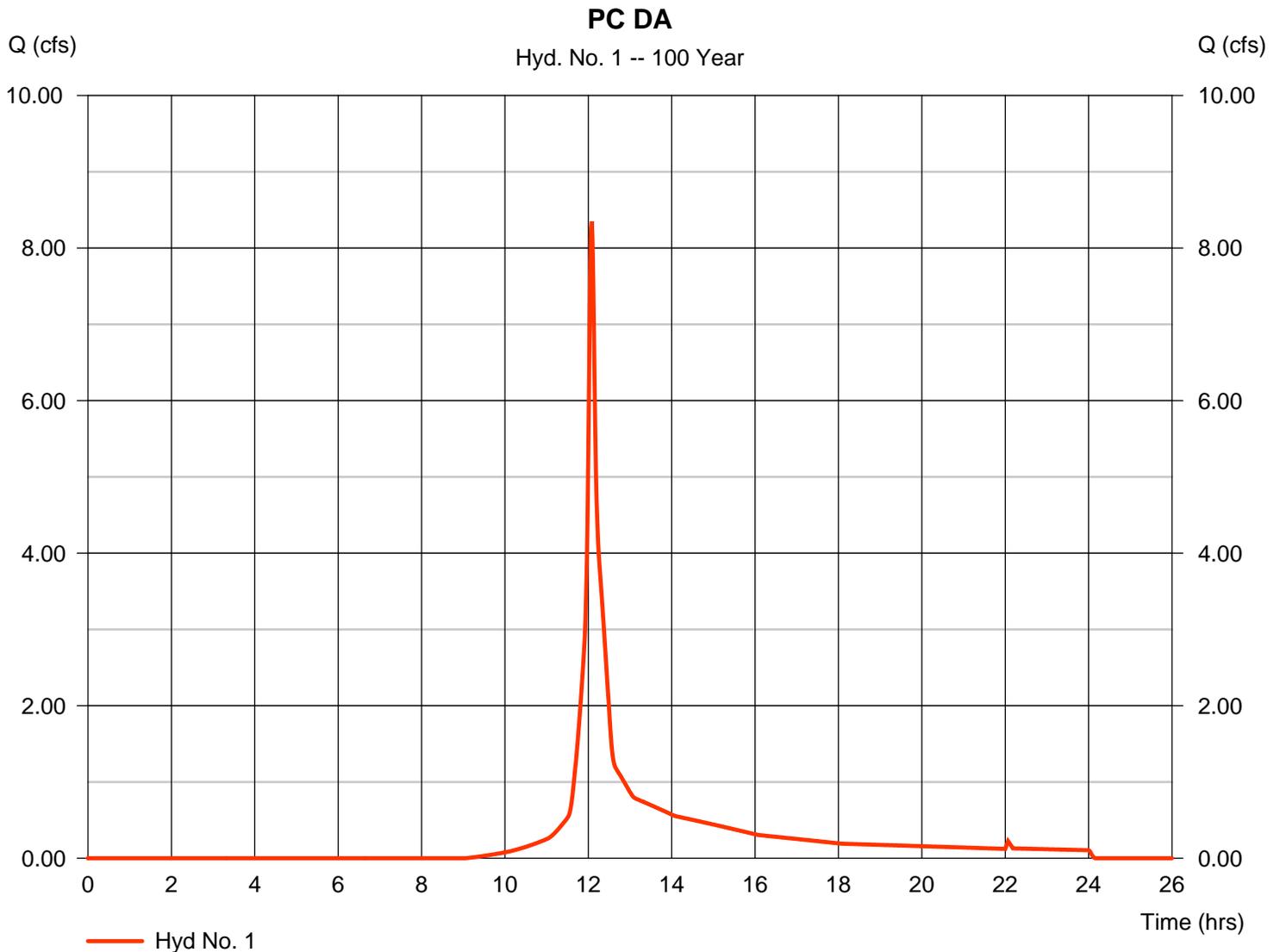
Hydrograph Report

Hyd. No. 1

PC DA

Hydrograph type	= SCS Runoff	Peak discharge	= 8.348 cfs
Storm frequency	= 100 yrs	Time to peak	= 12.08 hrs
Time interval	= 1 min	Hyd. volume	= 25,828 cuft
Drainage area	= 1.490 ac	Curve number	= 58*
Basin Slope	= 0.0 %	Hydraulic length	= 0 ft
Tc method	= User	Time of conc. (Tc)	= 5.00 min
Total precip.	= 10.00 in	Distribution	= Type III
Storm duration	= 24 hrs	Shape factor	= 484

* Composite (Area/CN) = [(0.486 x 98) + (1.000 x 39)] / 1.490



Hydrograph Report

Hyd. No. 2

PC routing

Hydrograph type	= Reservoir	Peak discharge	= 0.000 cfs
Storm frequency	= 100 yrs	Time to peak	= n/a
Time interval	= 1 min	Hyd. volume	= 0 cuft
Inflow hyd. No.	= 1 - PC DA	Max. Elevation	= 0.00 ft
Reservoir name	= Airlie Office PC	Max. Storage	= 0 cuft

Storage Indication method used. Exfiltration extracted from Outflow.

