

## DRH Prediction Using Unit Hydrographs

Time (hr)	(Given) Pe (in)	(Given) 1-hr UH (cfs)	2.0xUH DRH <sub>0</sub> (cfs)	1.0xUH DRH <sub>1</sub> (cfs)	0.5xUH DRH <sub>2</sub> (cfs)	Total-DRH (cfs)
0		0	0			0.0
1	2.0	10	20	0		20.0
2	1.0	25	50	10	0	60.0
3	0.5	15	30	25	5	60.0
4		5	10	15	12.5	37.5
5		0	0	5	7.5	12.5
6				0	2.5	2.5
7					0	0.0
ΣQ (cfs)		55.0	110.0	55.0	27.5	192.5
Vd (cfs-hr)		55.0	110.0	55.0	27.5	192.5
Vd (ac-ft)		4.545	9.091	4.545	2.273	15.909
Vd/Vd-UH		1	2	1	0.5	3.5
rd (in)		1	2	1	0.5	3.5

