

Baseflow Separation Example

Time (hr)	Q (cfs)	Case-1- Horizontal		Case -2- Horizontal		Case -3- Digital		α 0.99
		Line Qb (cfs)	Line DRH (cfs)	Straight Line (cfs)	Straight Line (cfs)	Filter Qb (cfs)	Digital Filter DRH (cfs)	
0	102.0	102.0	0.0	102.0	0.0	102.0	0	
2	100.0	100.0	0.0	100.0	0.0	100.0	0	
4	98.0	98.0	0.0	98.0	0.0	98.0	0	
6	220.0	98.0	122.0	94.2	125.8	98.6	121.4	
8	512.0	98.0	414.0	90.4	421.6	101.3	410.7	
10	630.0	98.0	532.0	86.6	543.4	106.0	524.0	
12	460.0	98.0	362.0	82.8	377.2	110.4	349.6	
14	330.0	98.0	232.0	79.0	251.0	113.2	216.8	
16	210.0	98.0	112.0	75.2	134.8	114.8	95.2	
18	150.0	98.0	52.0	71.4	78.6	115.4	34.6	
20	105.0	98.0	7.0	67.6	37.4	105.0	0.0	
22	75.0	75.0	0.0	63.8	11.2	75.0	0	
24	60.0	60.0	0.0	60.0	0.0	60.0	0	
26	54.0	54.0	0.0	54.0	0.0	54.0	0	
28	48.5	48.5	0.0	48.5	0.0	48.5	0	
30	43.5	43.5	0.0	43.5	0.0	43.5	0	

B_k R_k

