

**Table 5. Comparison of holistic measures of hydrologic regime from the Index of Hydrologic Alteration with ecologically relevant measures from other efforts. (Richter et al 1997 and EU 2008)**

Group	IHA full list	IHA short list	Low Flows 2000 list
1	December flow ( $m^3s^{-1}$ )	mean January flow ( $m^3s^{-1}$ )	mean January flow ( $m^3s^{-1}$ )
1	January flow ( $m^3s^{-1}$ )		
1	February flow ( $m^3s^{-1}$ )	mean April flow ( $m^3s^{-1}$ )	mean April flow ( $m^3s^{-1}$ )
1	March flow ( $m^3s^{-1}$ )		
1	April flow ( $m^3s^{-1}$ )		
1	May flow ( $m^3s^{-1}$ )		
1	June flow ( $m^3s^{-1}$ )	mean July flow ( $m^3s^{-1}$ )	mean July flow ( $m^3s^{-1}$ )
1	July flow ( $m^3s^{-1}$ )		
1	August flow ( $m^3s^{-1}$ )		
1	September flow ( $m^3s^{-1}$ )	mean October flow ( $m^3s^{-1}$ )	mean October flow ( $m^3s^{-1}$ )
1	October flow ( $m^3s^{-1}$ )		
1	November flow ( $m^3s^{-1}$ )		
2	1 day minimum flow	mean of annual minimum 7 day flow ( $m^3s^{-1}$ )	$Q_{95}$ ( $m^3s^{-1}$ )
2	3 day minimum flow		
2	7 day minimum flow		
2	30 day minimum flow		
2	90 day minimum flow		
2	1 day maximum flow	mean of annual maximum 7 day flow ( $m^3s^{-1}$ )	$Q_5$ ( $m^3s^{-1}$ )
2	3 day maximum flow		
2	7 day maximum flow		
2	30 day maximum flow		
2	90 day maximum flow		
3	mean julian day of minimum flow		
3	mean julian day of maximum flow		
4	number of times flow rate rises above 25th flow percentile	mean number of times per year flow exceeds $Q_{25}$	BFI
4	number of times flow rate drops below 75th flow percentile	mean number of times per year flow is less than $Q_{75}$	
4	mean duration of high pulses	Mean number of flow rises	
4	mean duration of low pulses		
5	number of flow rises		
5	number of flow falls		
5	mean rise rate	mean fall rate - mean different between falling flows ( $m^3s^{-1}d^{-1}$ )	BFI
5	mean fall rate		