

Figure S 1. Flowchart of smoothing algorithm

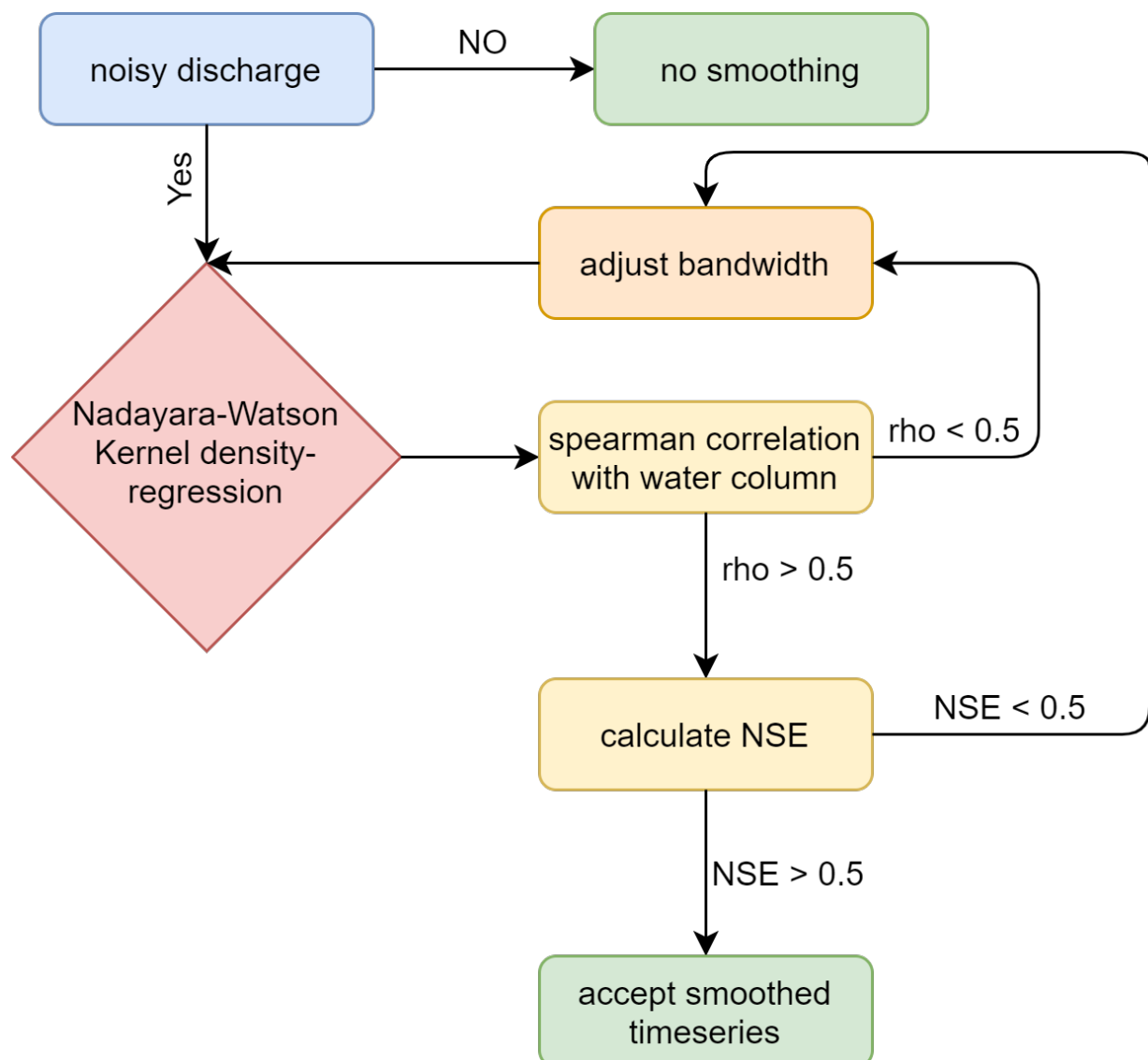


Figure S 2. Local meteoric waterline

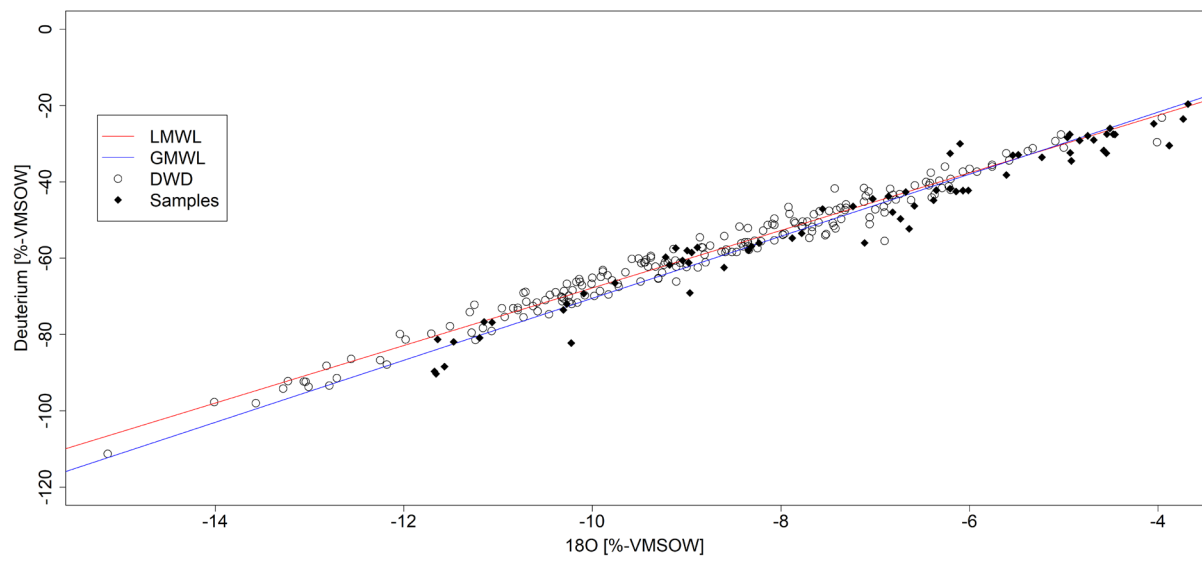


Figure S 3. Scree plot example

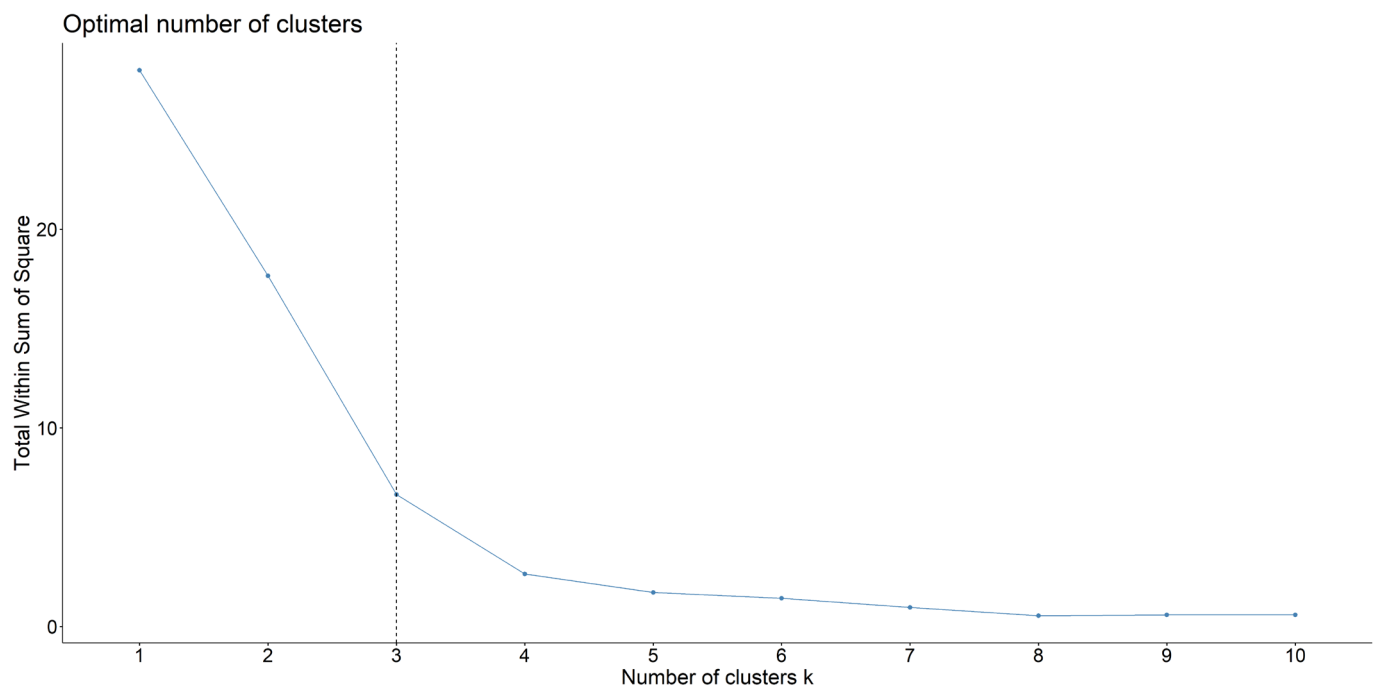


Figure S 4. Discharge functions per cluster a) blue cluster, b) red cluster, c) green cluster.

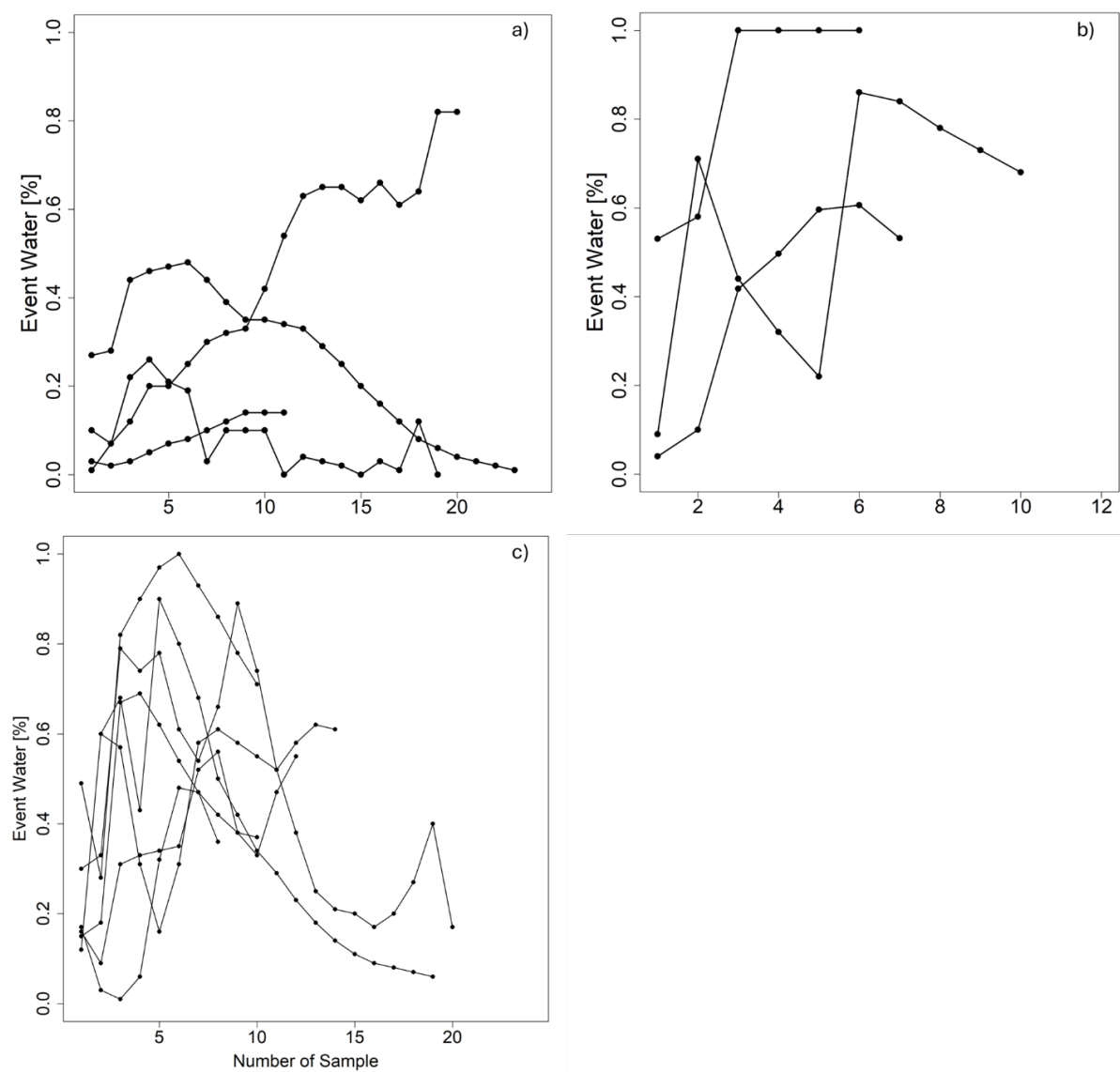


Table S 1. Table of areas under the curve for each event and nutrients nitrate and P_{tot}.

EVENT	Area NO₃⁻ event	Area NO₃⁻ total	Area P_event	Area P total
1	0.39	0.45	0.50	0.56
2	0.19	0.40	0.42	0.58
3	0.55	0.45	0.65	0.54
4	0.48	0.42	0.59	0.53
5	0.44	0.41	0.5	0.46
6	0.53	0.50	0.54	0.51
7	0.60	0.47	0.59	0.46
8	0.56	0.52	0.40	0.38
9	0.52	0.48	NA	NA
10	NA	NA	0.27	0.41
11	0.50	0.45	0.61	0.56
12	0.72	0.57	0.77	0.62
13	0.28	0.40	0.54	0.62
14	0.70	0.50	0.75	0.56