



**Figure 6:** Principal component analysis, from black and white water sites (12 sites (n = 231)), based on the 172 SNPs associated to water type or to environmental variables associated with diverging water types. The percentage of the variance explained by the principal component's axes are written in parentheses. Ellipses represent the 95% confidence interval of the groupings position in space. In A, the ellipses represent the sampling site, the point size represents the site's watershed and the point shape the site's water type. In B, samples are clustered by watershed, and, in C, they are clustered by water type. See in figure S10 PCAs with the 41,268 SNPs, which shows a very similar clustering pattern.