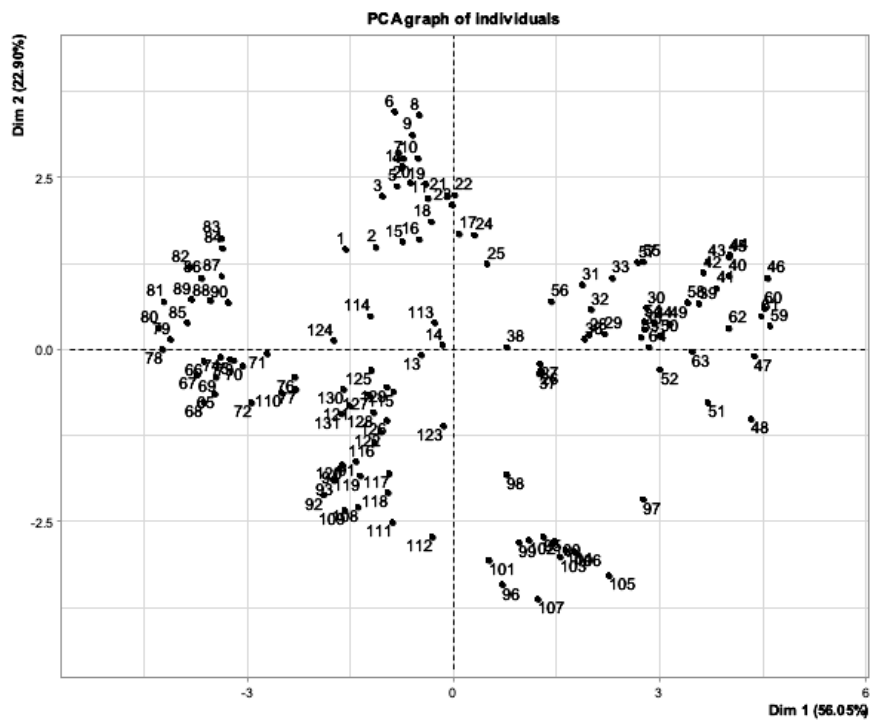


B)



**FIGURE-S: SUPLEMENTAR 1:** Mapa da DPCA relacionado em dois eixos parâmetros hidrodinâmicos e de qualidade da água. A) correlações entre todas as variáveis; B) agrupamentos discriminante entre todas as variáveis (espacial)

## Multiple Regressions

```
Call:
lm(formula = SS ~ Tidal + DistAmazon + DistArag + DistSalTrack2l +
    Qfall_mean + Secchi + QSSinst + Turbidity + Vinst, data = pplopes)

Residuals:
    Min       1Q   Median       3Q      Max
-85.212 -19.844  -2.664  14.648 130.674

Coefficients:
            Estimate Std. Error t value
(Intercept) -2.649e+03  9.717e+02  -2.726
Tidalrising  1.931e+01  1.048e+01   1.843
DistAmazon   4.396e+01  1.655e+01   2.657
DistArag     3.774e+01  1.424e+01   2.651
DistSalTrack2l -1.786e+00  9.498e-01  -1.881
Qfall_mean   1.387e-02  3.361e-03   4.125
Secchi       -3.812e-01  3.355e-01  -1.136
QSSinst      1.317e-04  2.696e-05   4.883
Turbidity     8.494e-01  6.128e-02  13.860
Vinst        3.683e+01  1.169e+01   3.152

Pr(>|t|)
(Intercept)  0.00777 **
Tidalrising   0.06879 .
DistAmazon    0.00942 **
DistArag      0.00958 **
DistSalTrack2l 0.06342 .
Qfall_mean    8.60e-05 ***
Secchi        0.25910
QSSinst       4.85e-06 ***
Turbidity     < 2e-16 ***
Vinst         0.00224 **

---
Signif. codes:
  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 38.28 on 85 degrees of freedom
(36 observations deleted due to missingness)
Multiple R-squared:  0.9109,    Adjusted R-squared:  0.9015
```

TWater	0.01	0.88	0.04	0.77	0.228	1.0
EC	0.68	0.65	-0.03	0.89	0.106	2.0
Turbidity	0.77	0.53	0.19	0.91	0.093	1.9
STD	0.68	0.66	0.02	0.90	0.103	2.0
SS	0.73	0.40	0.25	0.76	0.237	1.8
DOSat	-0.99	0.31	-0.42	1.24	-0.242	1.6
DO	-0.59	0.23	-0.43	0.58	0.417	2.2
pH	0.16	0.87	0.09	0.79	0.209	1.1
Secchi	-0.52	-0.58	-0.33	0.71	0.289	2.6
Salinity	0.64	0.67	0.00	0.86	0.141	2.0
Vinst	0.03	0.13	0.58	0.36	0.643	1.1
Vmean	0.11	0.31	0.89	0.90	0.099	1.3
Vmin	0.52	0.06	-0.10	0.28	0.716	1.1
Vmax	0.18	-0.14	0.77	0.64	0.358	1.2
Vfall_mean	0.04	-0.09	0.91	0.84	0.156	1.0
Vfill_mean	0.10	0.60	0.68	0.83	0.168	2.0
Qinst	0.11	-0.30	0.21	0.14	0.855	2.1
Qmin	-0.92	-0.28	-0.11	0.93	0.067	1.2
Qmax	0.92	-0.11	0.19	0.89	0.109	1.1
Qmean	0.94	0.05	0.19	0.91	0.086	1.1
Qnet	0.47	-0.70	0.36	0.85	0.154	2.3
Qfall_mean	0.92	-0.13	0.26	0.93	0.069	1.2
Qfill_mean	0.97	0.18	0.06	0.97	0.028	1.1
QSSinst	0.23	-0.21	0.18	0.13	0.870	2.9
QSStotal	0.75	-0.36	0.32	0.80	0.196	1.8
QSSmean	0.94	0.15	0.09	0.91	0.089	1.1
Qss_net	0.25	0.72	0.14	0.60	0.403	1.3
DistAmazon	-0.80	-0.21	0.17	0.71	0.290	1.2

	RC1	RC2	RC3
SS loadings	11.19	6.22	4.14
Proportion Var	0.39	0.21	0.14
Cumulative Var	0.39	0.60	0.74
Proportion Explained	0.52	0.29	0.19
Cumulative Proportion	0.52	0.81	1.00

Mean item complexity = 1.6  
Test of the hypothesis that 3 components are sufficient.

**FIGURE S: SUPLEMENTAR 2:** Map of the DPCA related in two axes hydrodynamic parameters and water quality (it is necessary to discuss this graph in the results) and discussion (next review). A) correlations between all variables; B) discriminant groupings between all variables (spatial)