

Region	Predictant	Formula	R^2
Orós	Reservoir volume	$59.0 - 22.9 \text{SPEI}_{36} + 6.67 \text{SPI}_{12} + 45.4 \text{SPI}_{36} + 6.00 \text{SPI}_{12} \text{SPEI}_1 - 5.30 \text{SPEI}_{36} \text{SPI}_{36}$	0.64
Orós	Reservoir volume change	$0.416 + 2.43 \text{SPEI}_1 \text{SPI}_1 + 2.23 \text{SPI}_1 \text{SPI}_{12} - 0.173 \text{SPI}_{36} \frac{\text{SPEI}_{36}}{\text{SPEI}_{12}} + 4.20 \text{SPEI}_1 \frac{\text{SPI}_{12}}{\text{SPEI}_{12}} - 0.00334 \frac{\text{SPEI}_{36}}{\text{SPEI}_{12}} \frac{\text{SPI}_{36}}{\text{SPI}_{12}}$	0.36
Castanhão	Reservoir volume	$55.4 + 12.5 \text{SPEI}_{36} + 12.4 \frac{\text{SPI}_{36}}{\text{SPEI}_{36}} - 3.12 \text{SPEI}_{12} \frac{\text{SPI}_{12}}{\text{SPEI}_{36}} - 3.19 \frac{\text{SPI}_{12}}{\text{SPEI}_{36}} \frac{\text{SPI}_{12}}{\text{SPEI}_{12}} + 10.19 \frac{\text{SPI}_{36}}{\text{SPEI}_{36}} \text{SPEI}_{12}$	0.41
Castanhão	Reservoir volume change	$2.95 + 3.47 \text{SPI}_1 - 1.15 \frac{\text{SPI}_1}{\text{SPEI}_1} - 1.27 \frac{\text{SPI}_1}{\text{SPEI}_1} \text{SPEI}_{36} - 0.791 \text{SPI}_1 \frac{\text{SPI}_{36}}{\text{SPEI}_{12}} + 1.41 \text{SPEI}_{12} \frac{\text{SPI}_{36}}{\text{SPEI}_{36}}$	0.21
Lower Jaguaribe	Reservoir volume	$33.4 + 16.3 \text{SPEI}_{36} + 16.6 \text{SPI}_{12} + 5.65 \text{SPEI}_{36} \text{SPI}_{12} - 13.5 \text{SPI}_{12} \frac{\text{SPI}_{12}}{\text{SPEI}_{12}} + 0.877 \text{SPI}_{12} \frac{\text{SPI}_{12}}{\text{SPEI}_{36}}$	0.60
Lower Jaguaribe	Reservoir volume change	$0.689 + 2.22 \text{SPI}_1 + 0.0353 \frac{\text{SPI}_{36}}{\text{SPI}_{12}} + 2.12 \text{SPI}_1 \text{SPI}_{12} + 1.08 \text{SPI}_{12} \frac{\text{SPI}_{12}}{\text{SPEI}_{12}} + 0.286 \text{SPI}_1 \frac{\text{SPI}_{12}}{\text{SPEI}_{36}}$	0.38