

Determination of the runoff coefficient (C) in catchments based on analysis of precipitation and flow events

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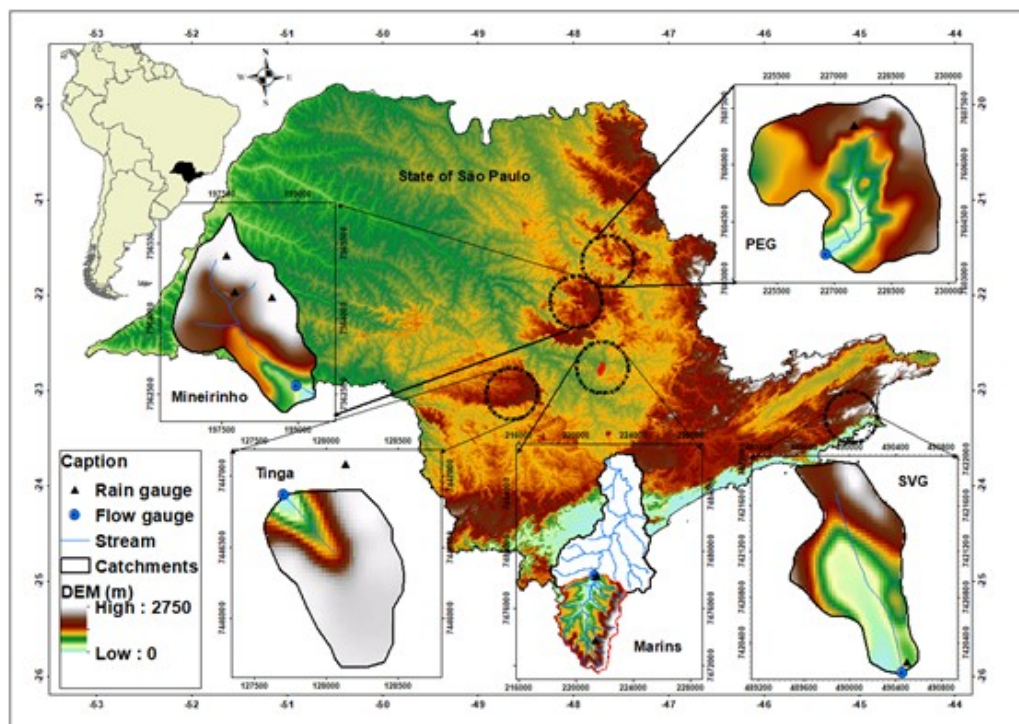
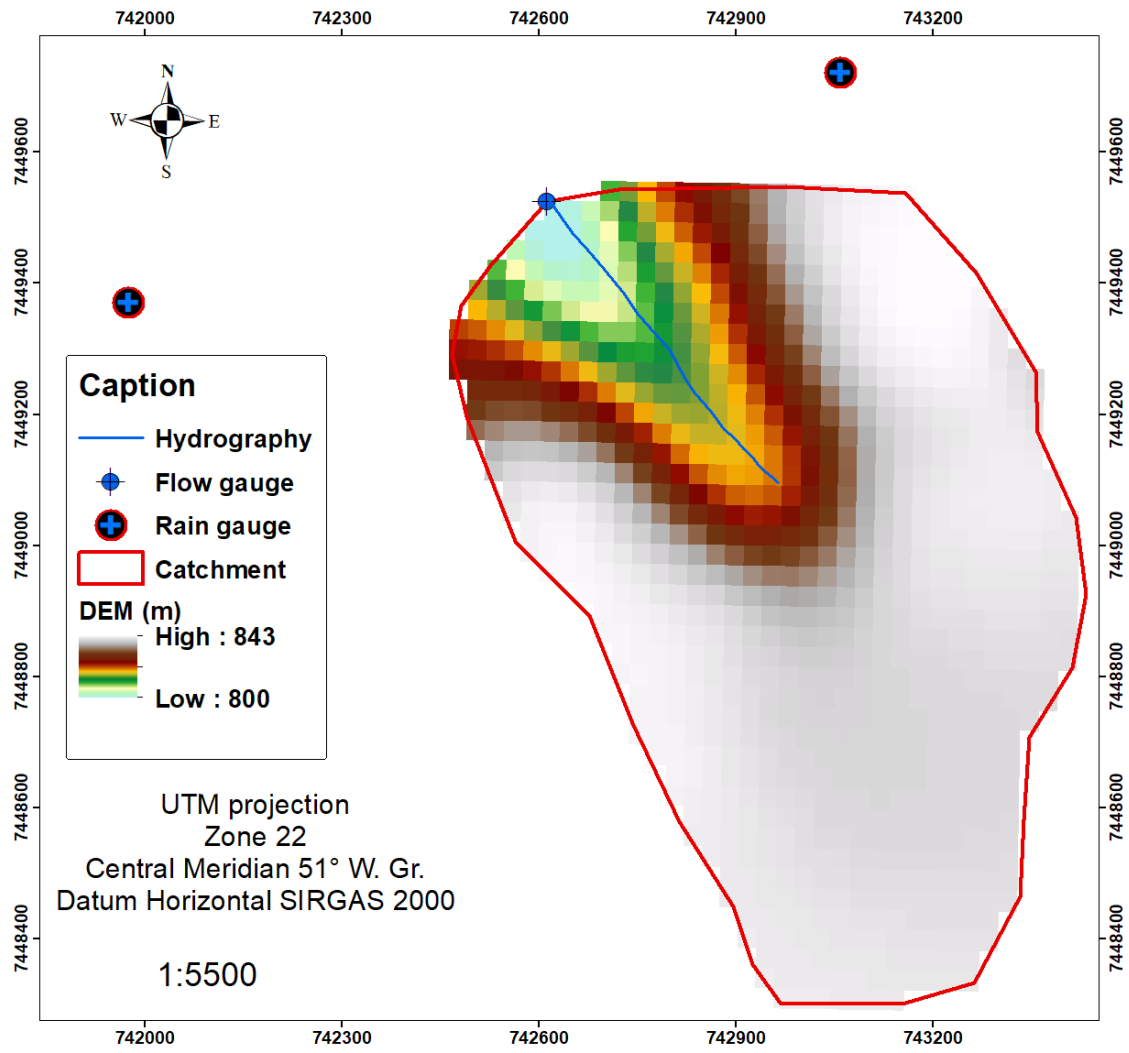
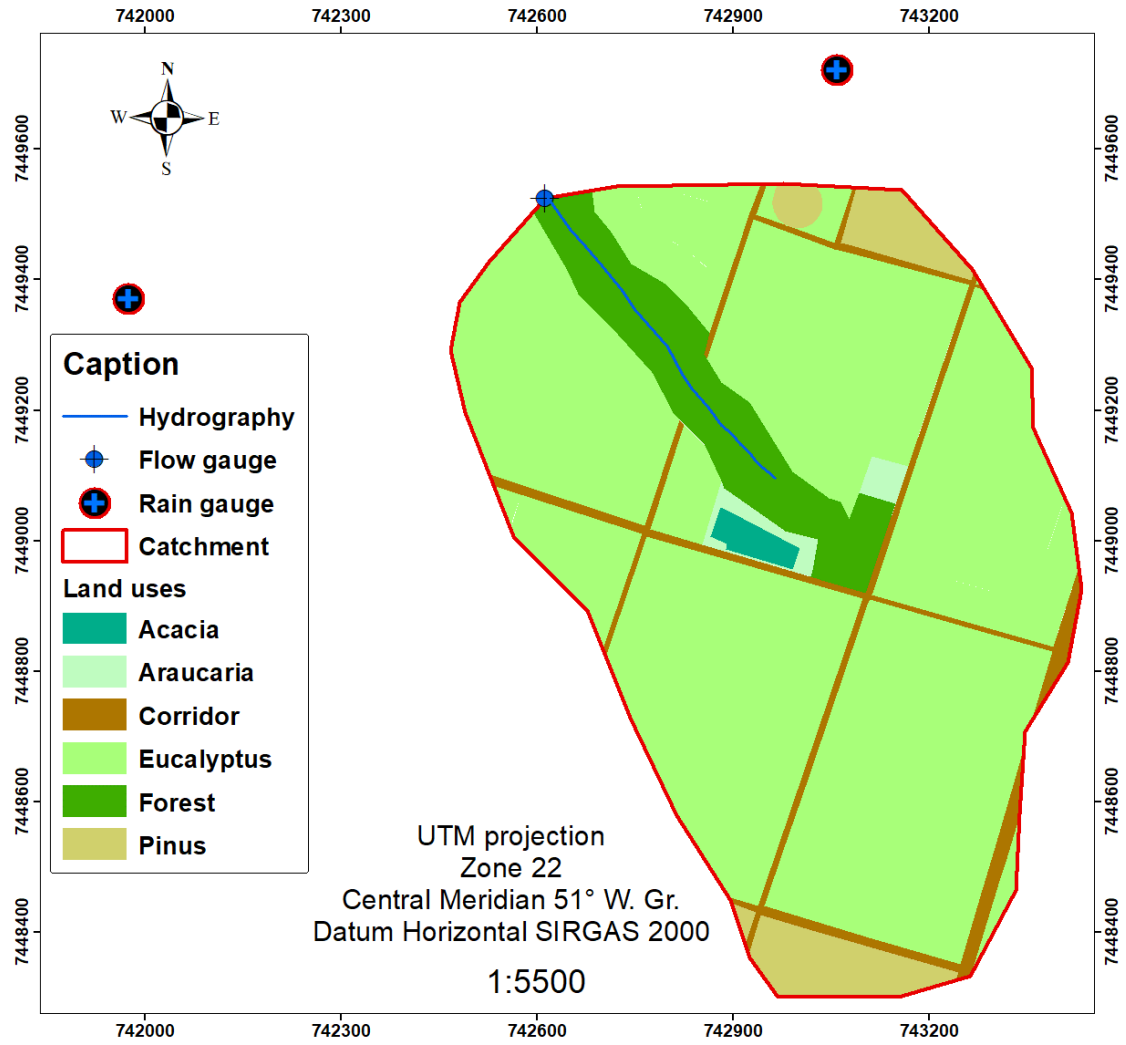
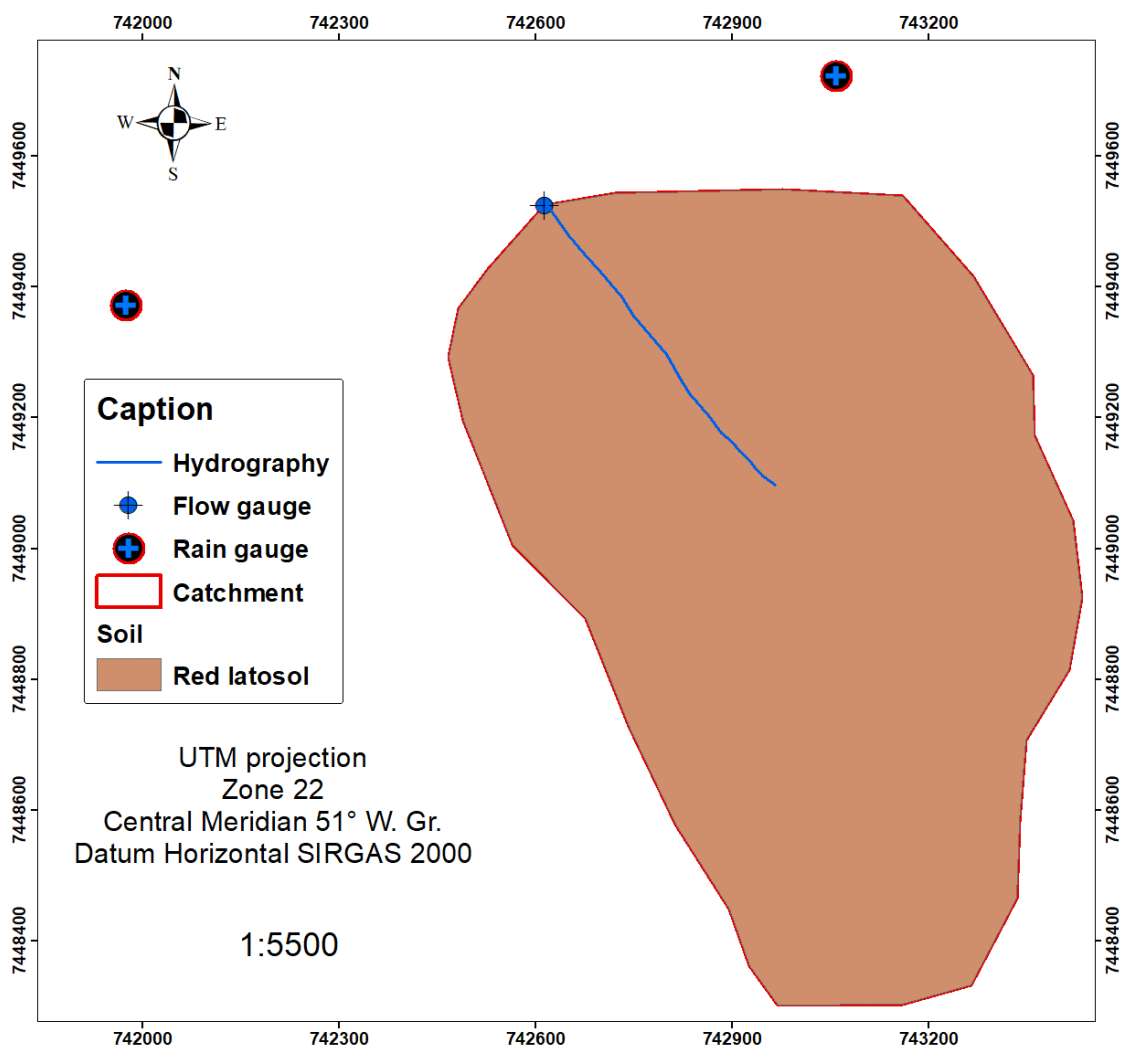


Figure 1 – Location of experimental catchments in São Paulo, Brazil.







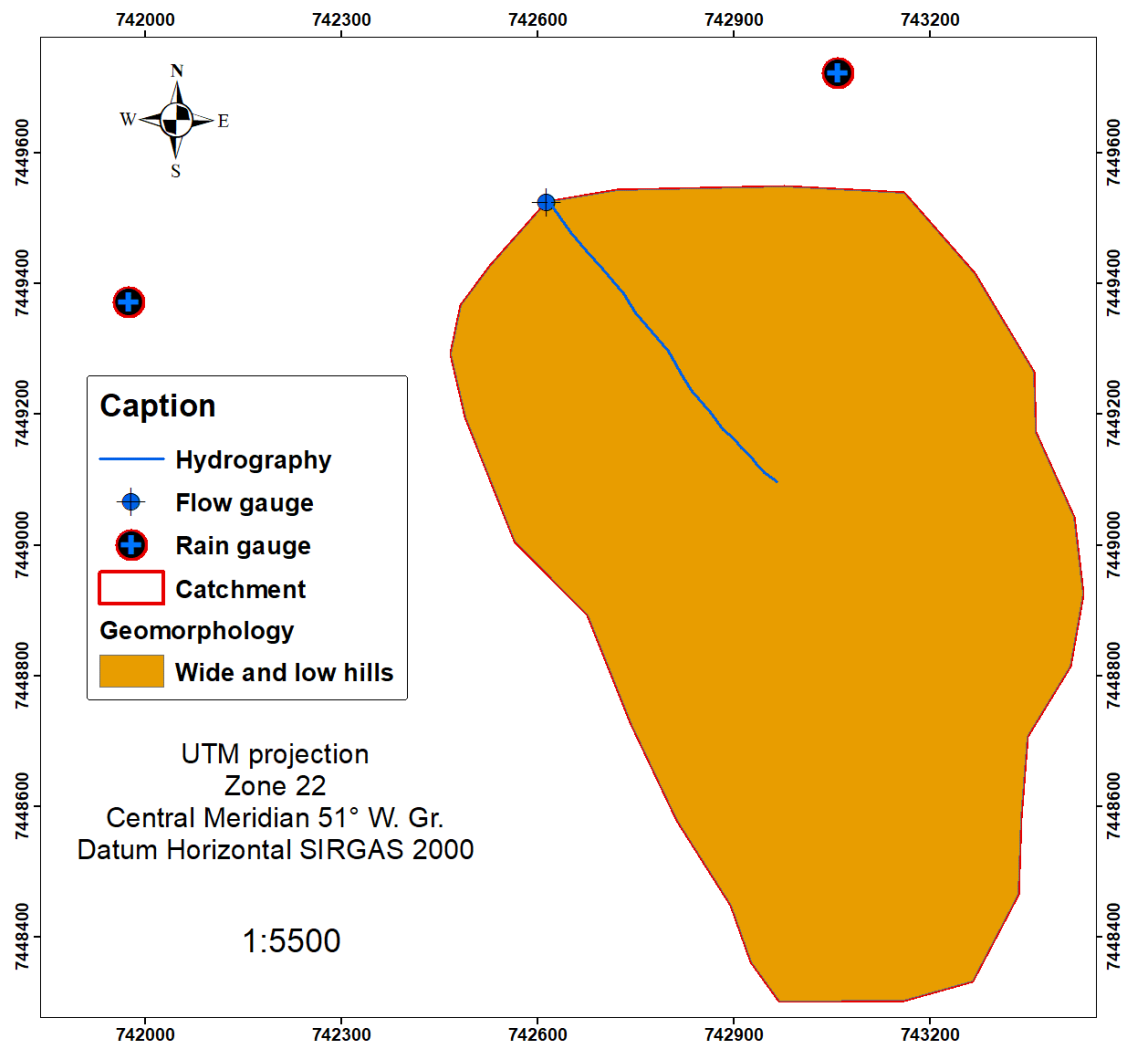
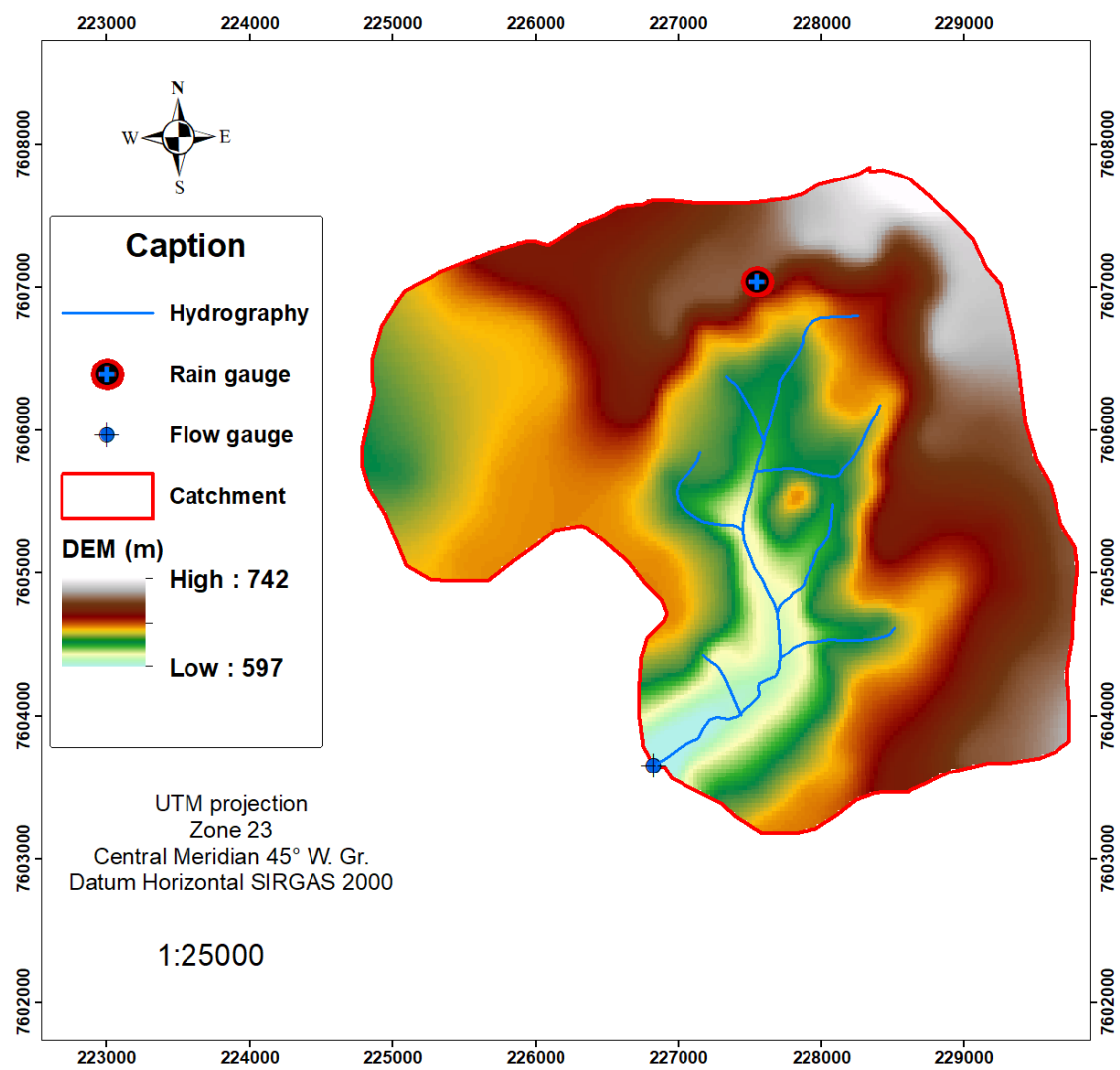
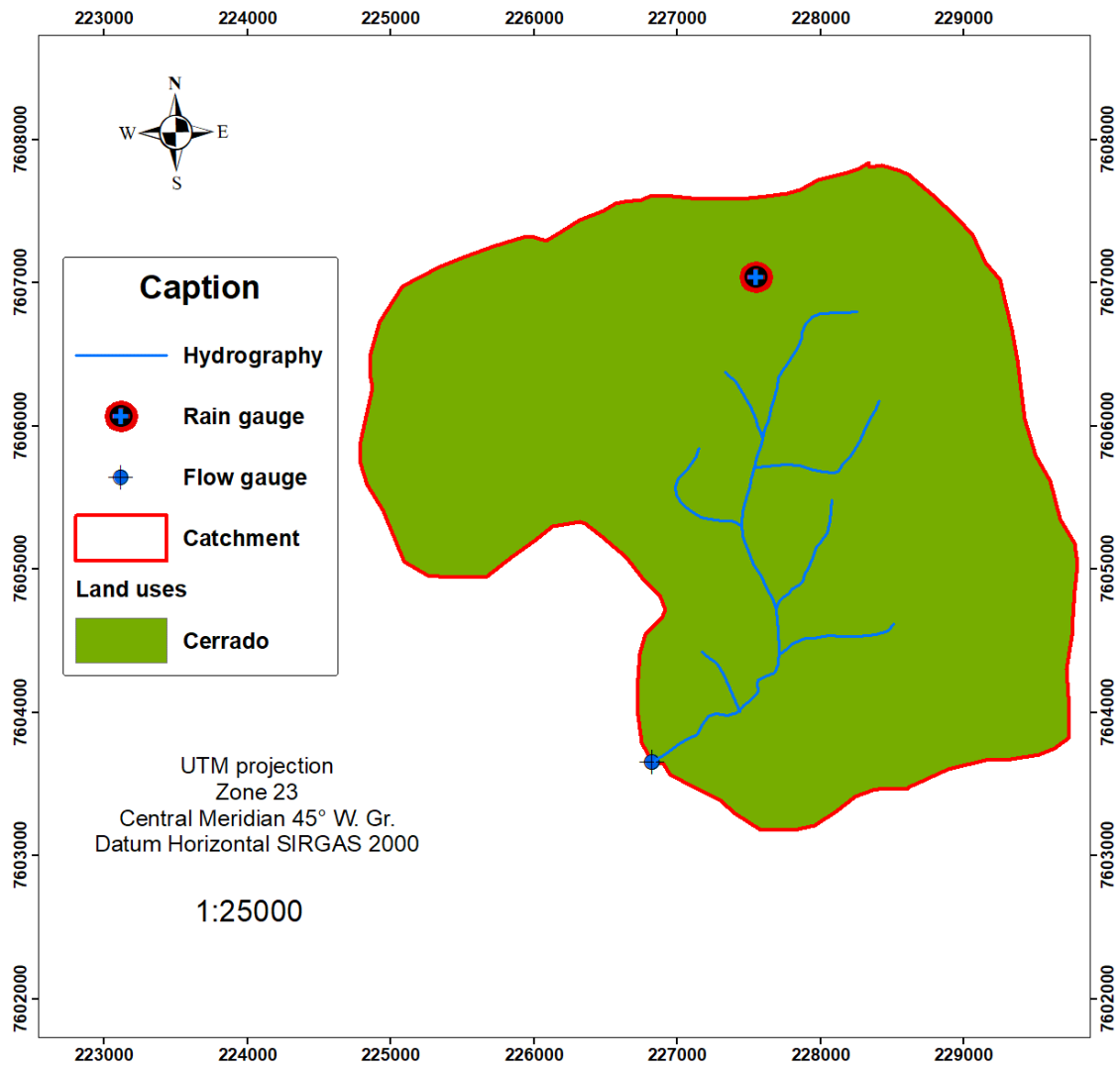
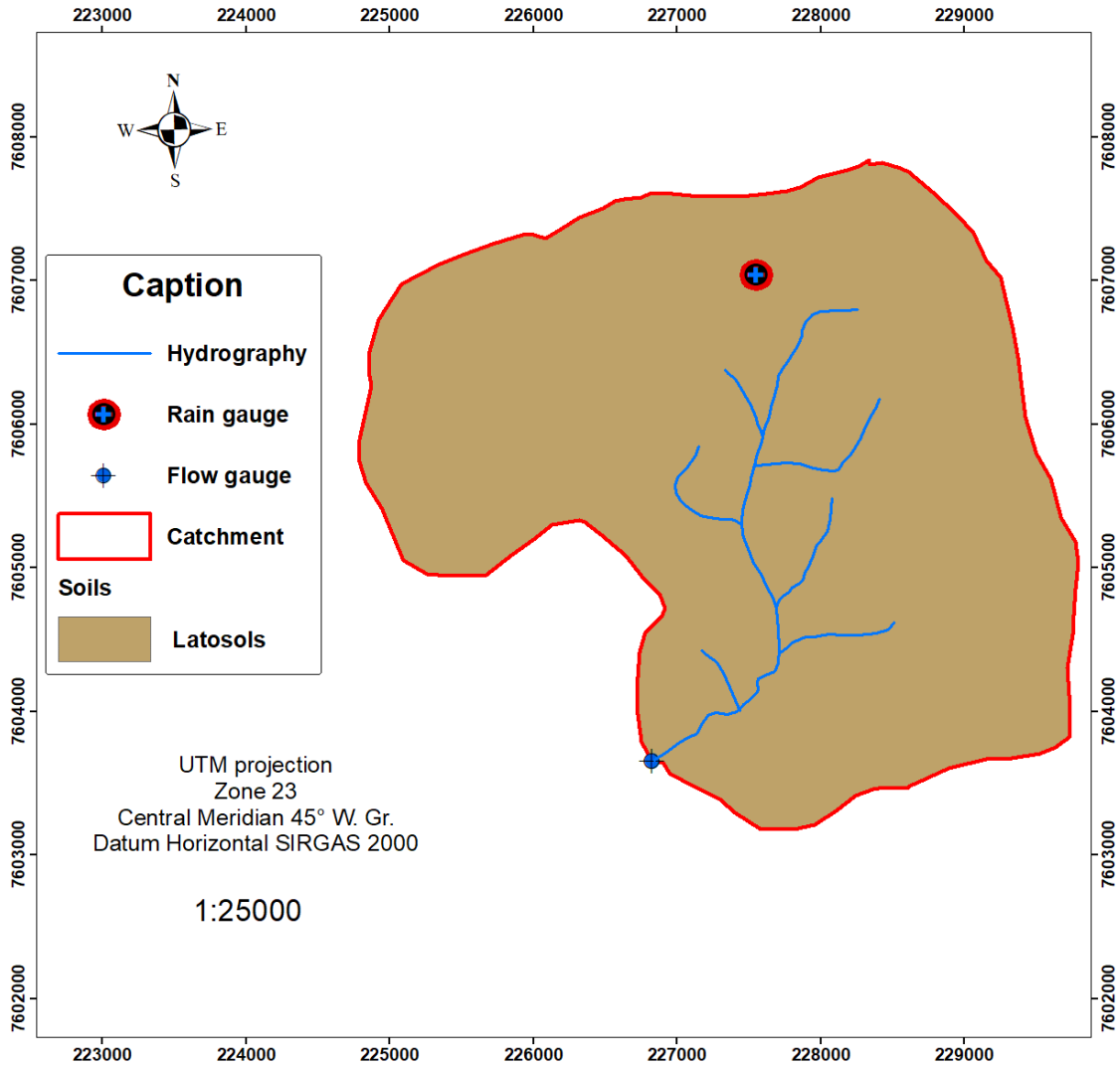


Figure 2. General information such as topography (elevation range), land use, soil, geology and geomorphology of the Tinga catchment.







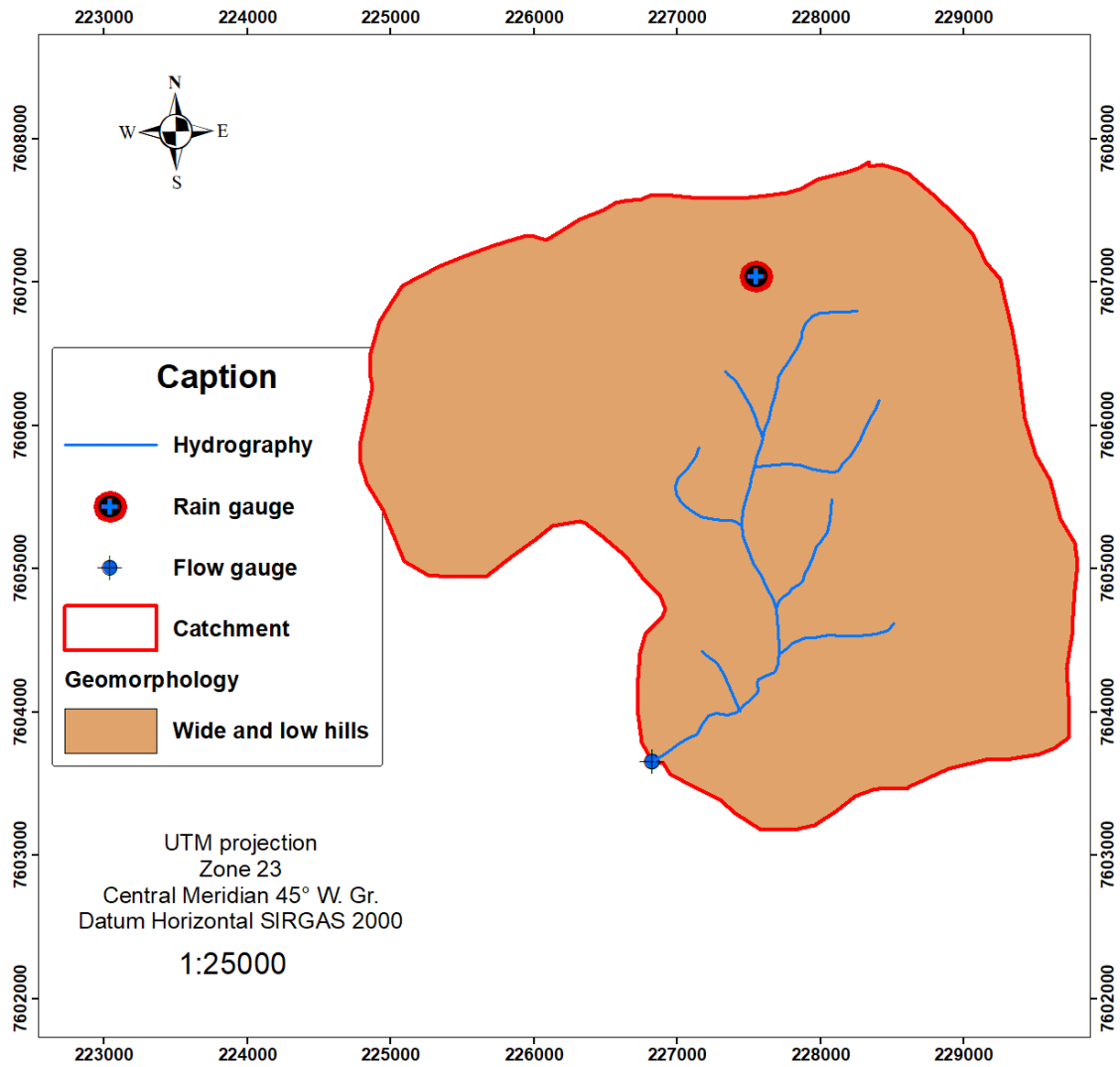
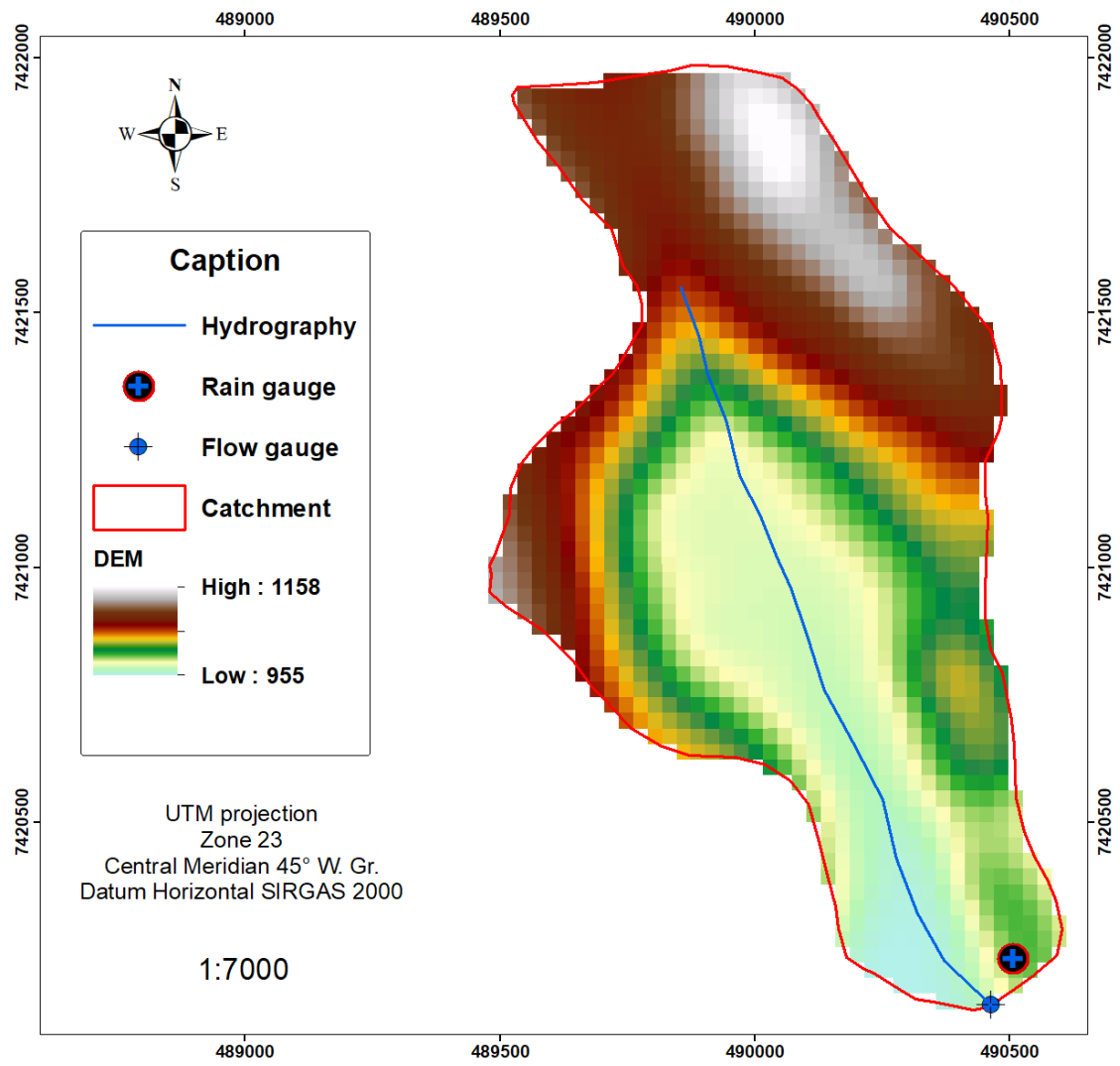
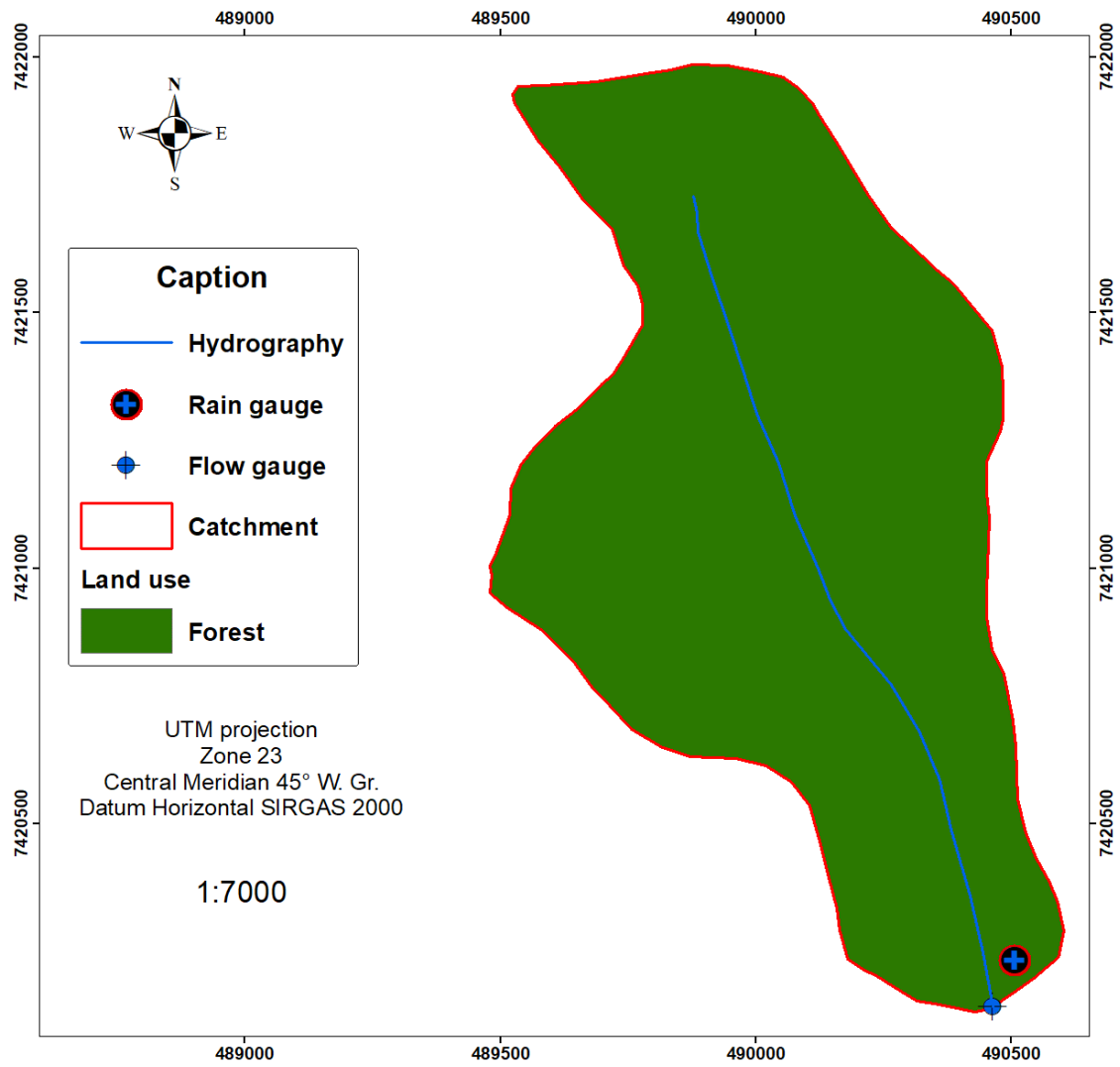
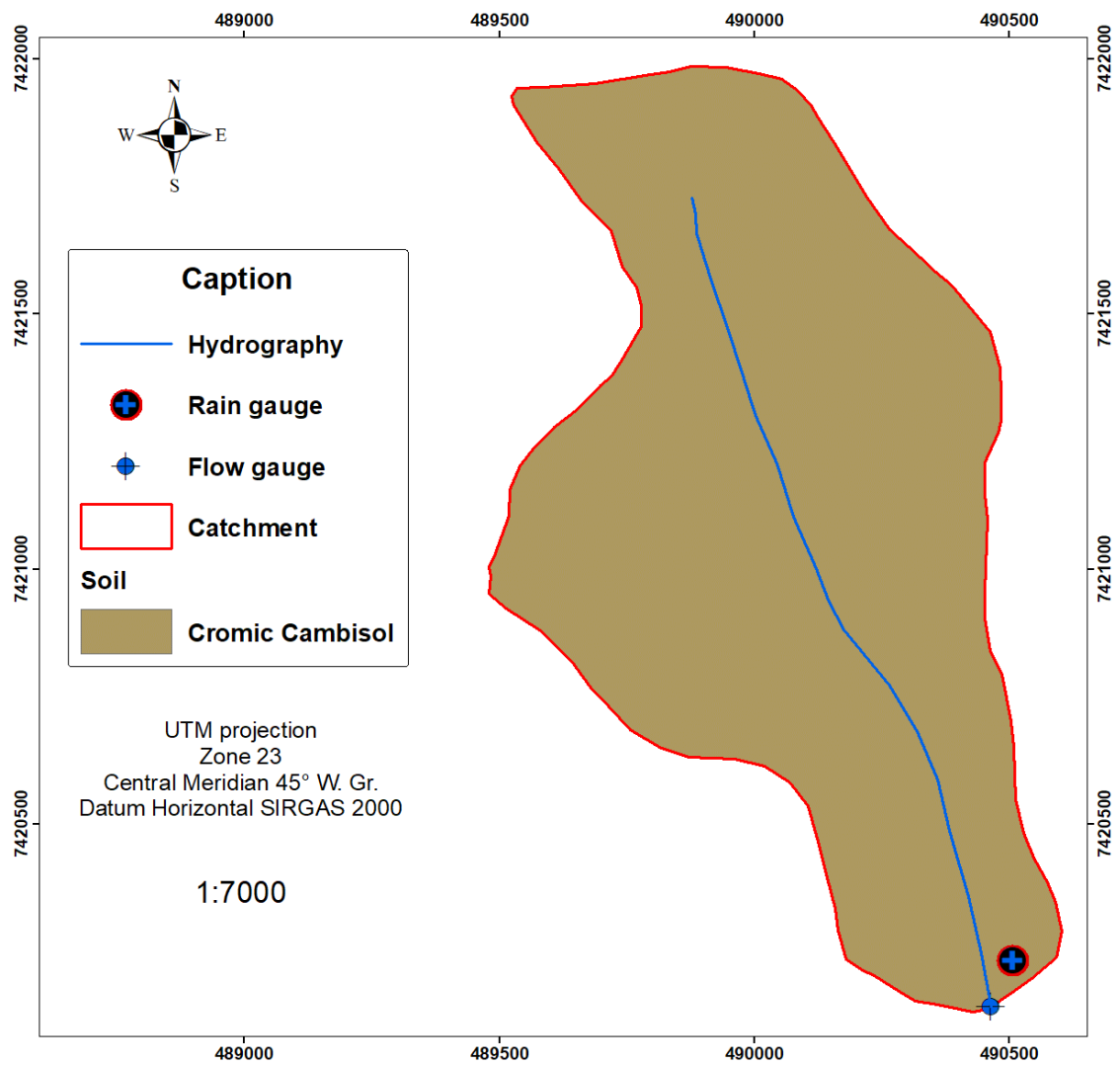


Figure 3. General information such as topography (elevation range), land use, soil, and geomorphology of the PEG catchment.







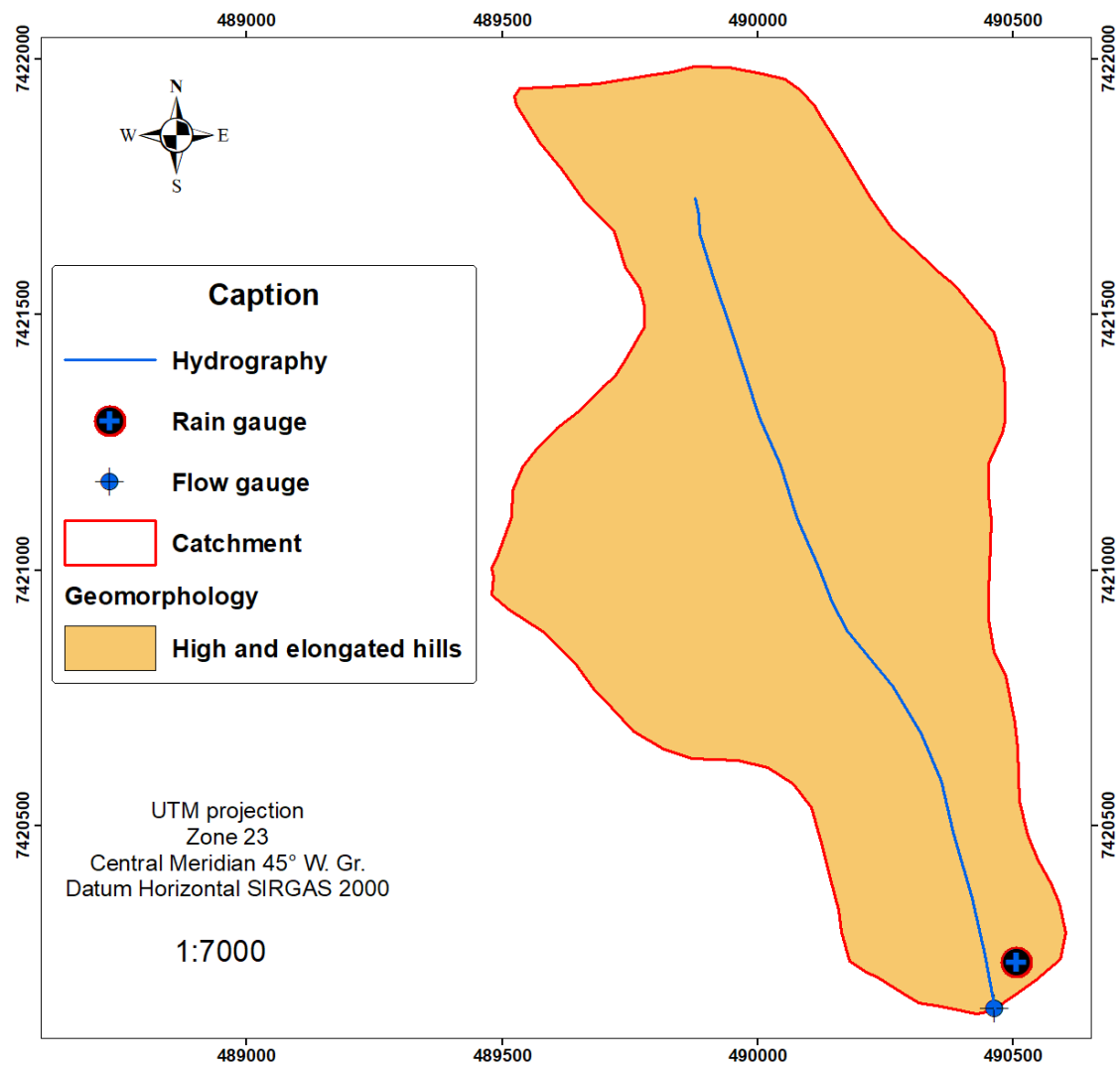
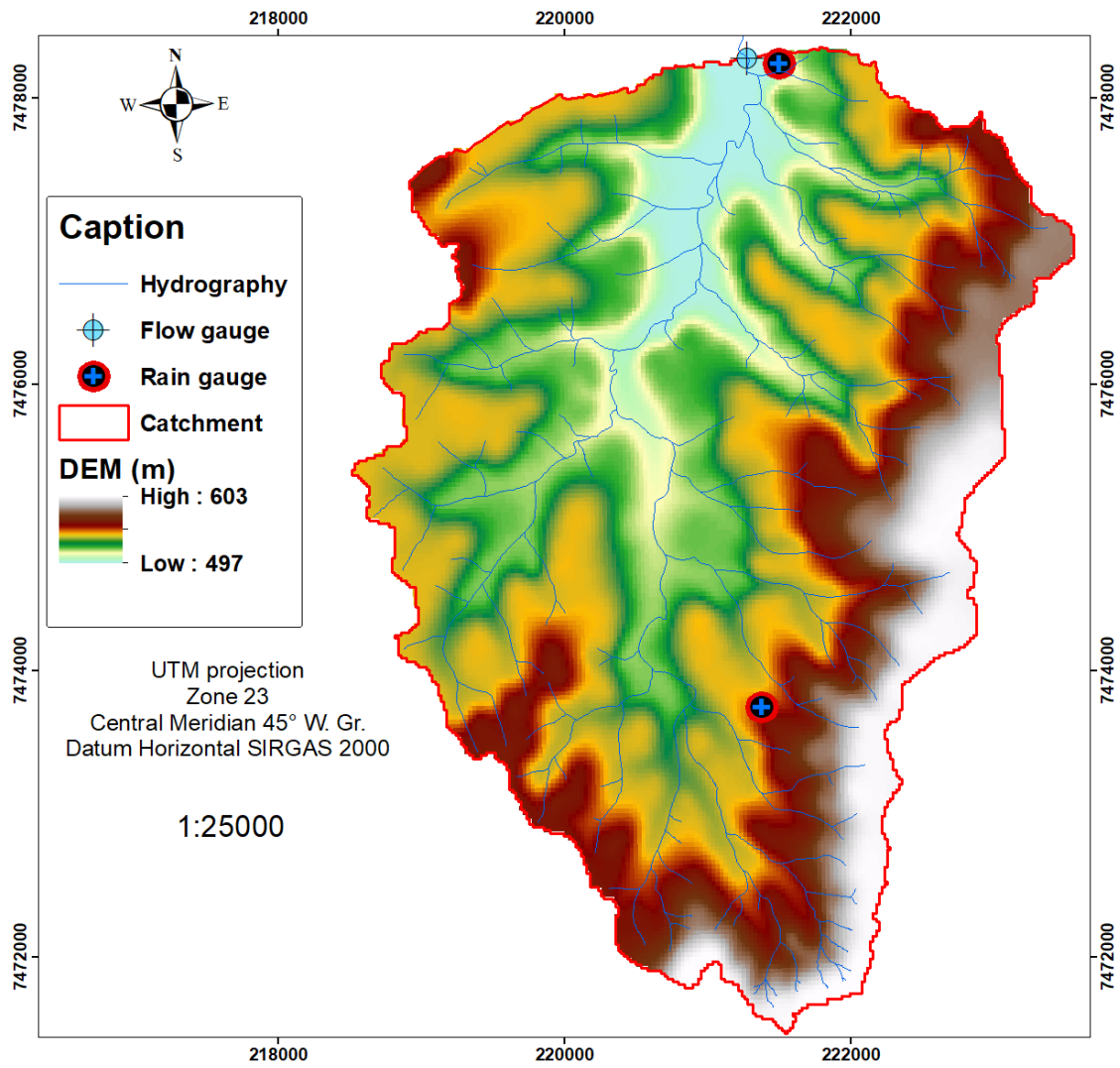
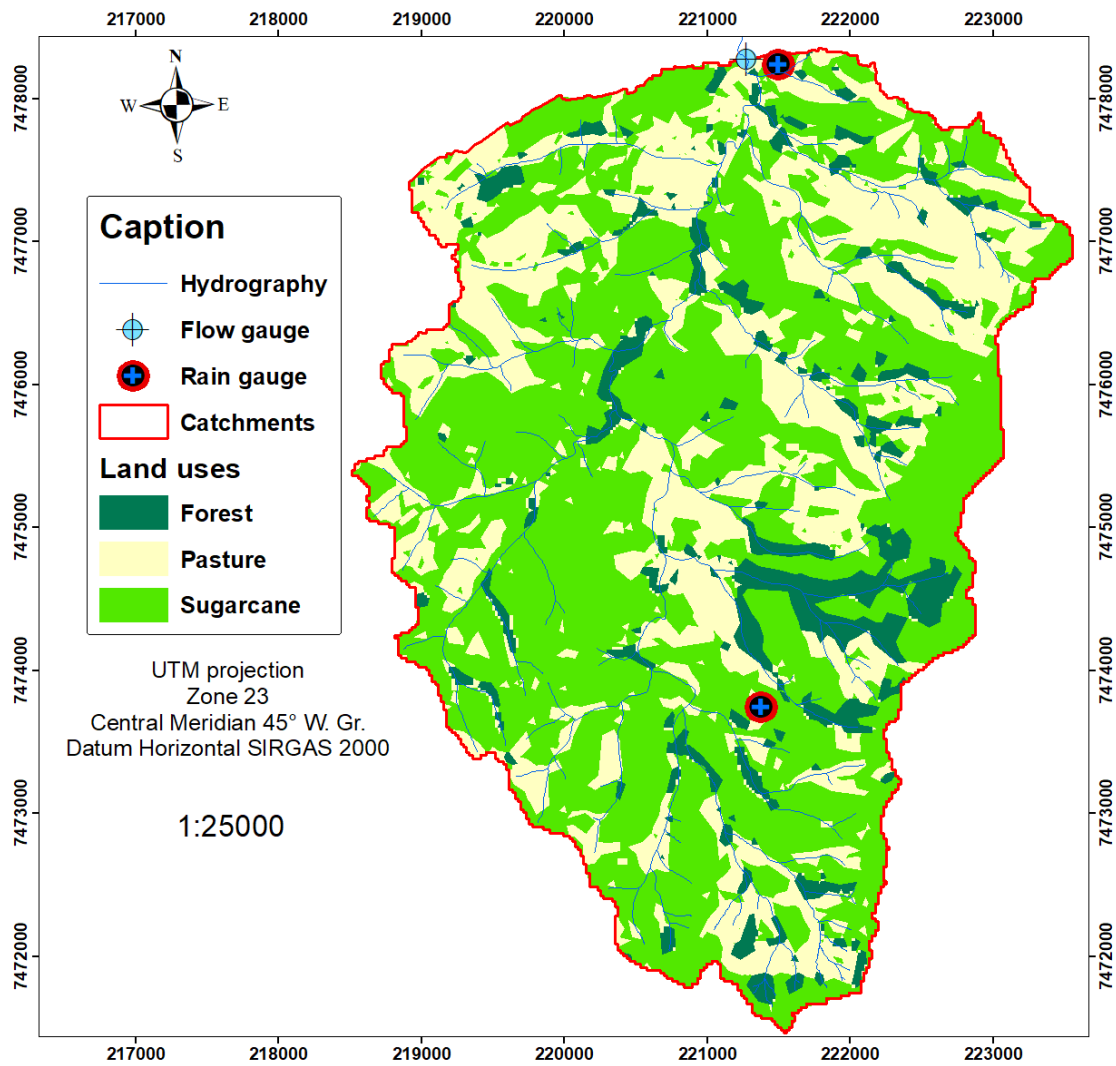
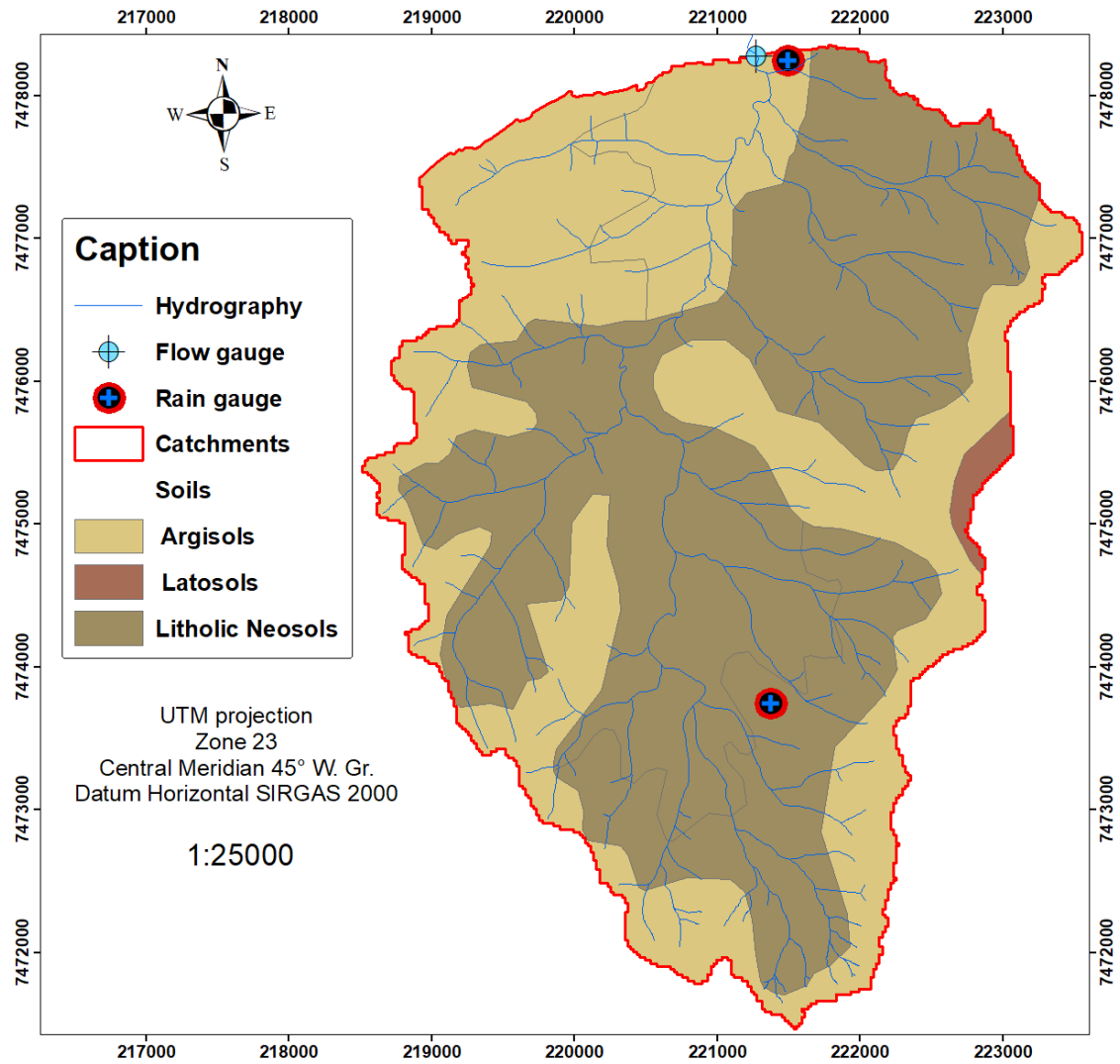


Figure 4. Spatial information such as relief (elevation range), land use, soil, and geomorphology of the SVG catchment.







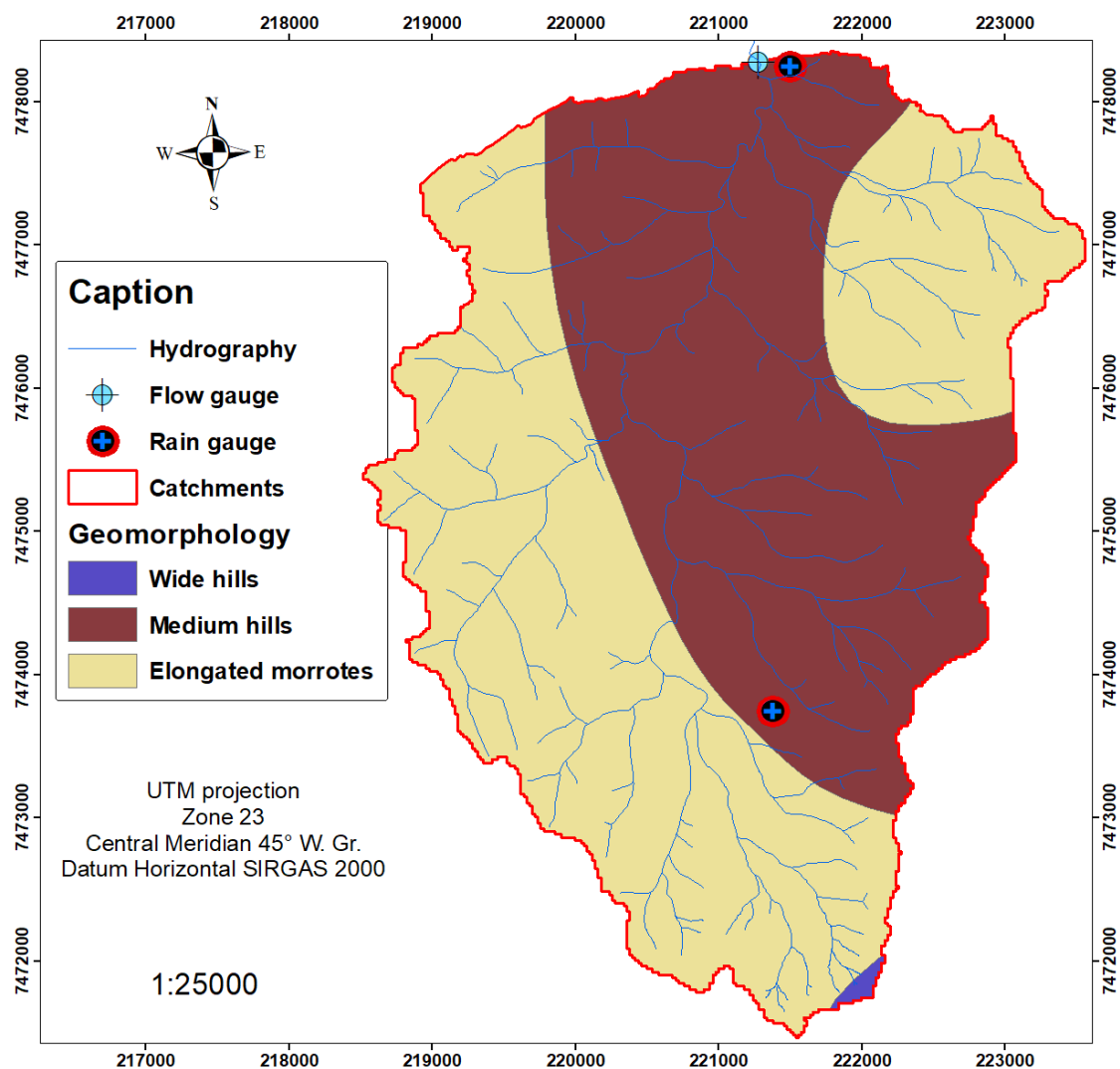
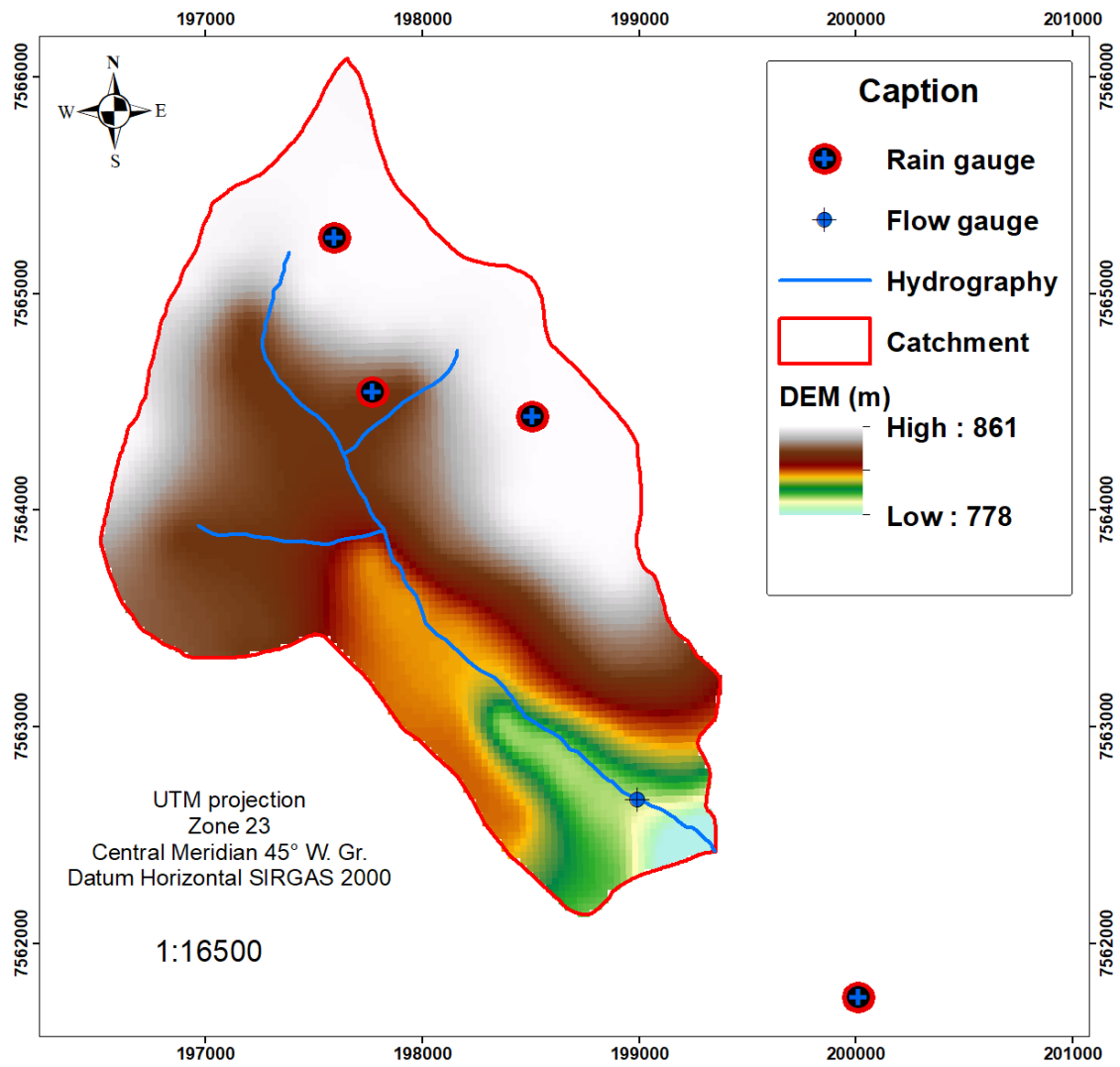
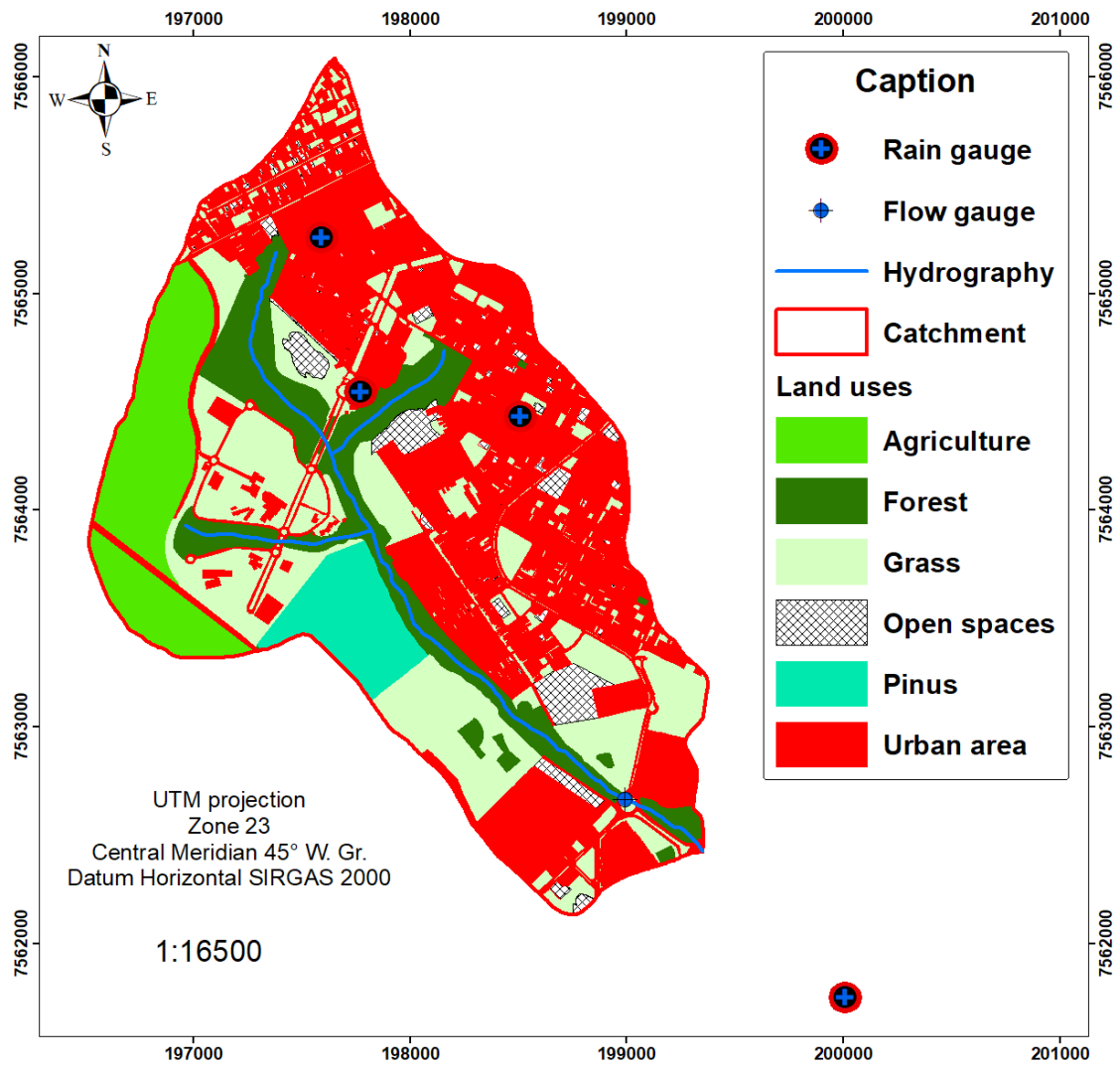
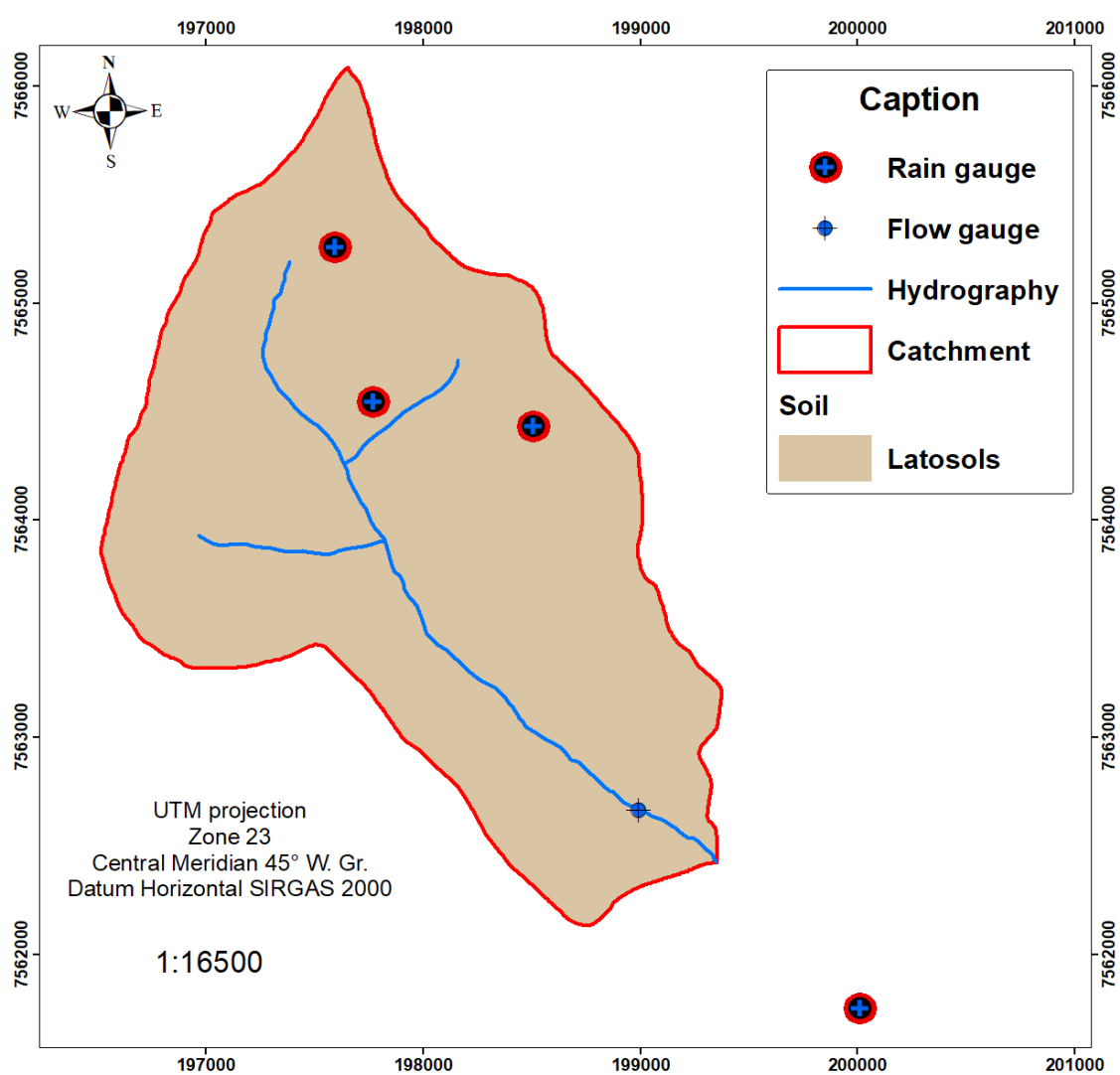


Figure 5. General information such as topography (elevation range), land use, soil and geomorphology of the Marins catchment.







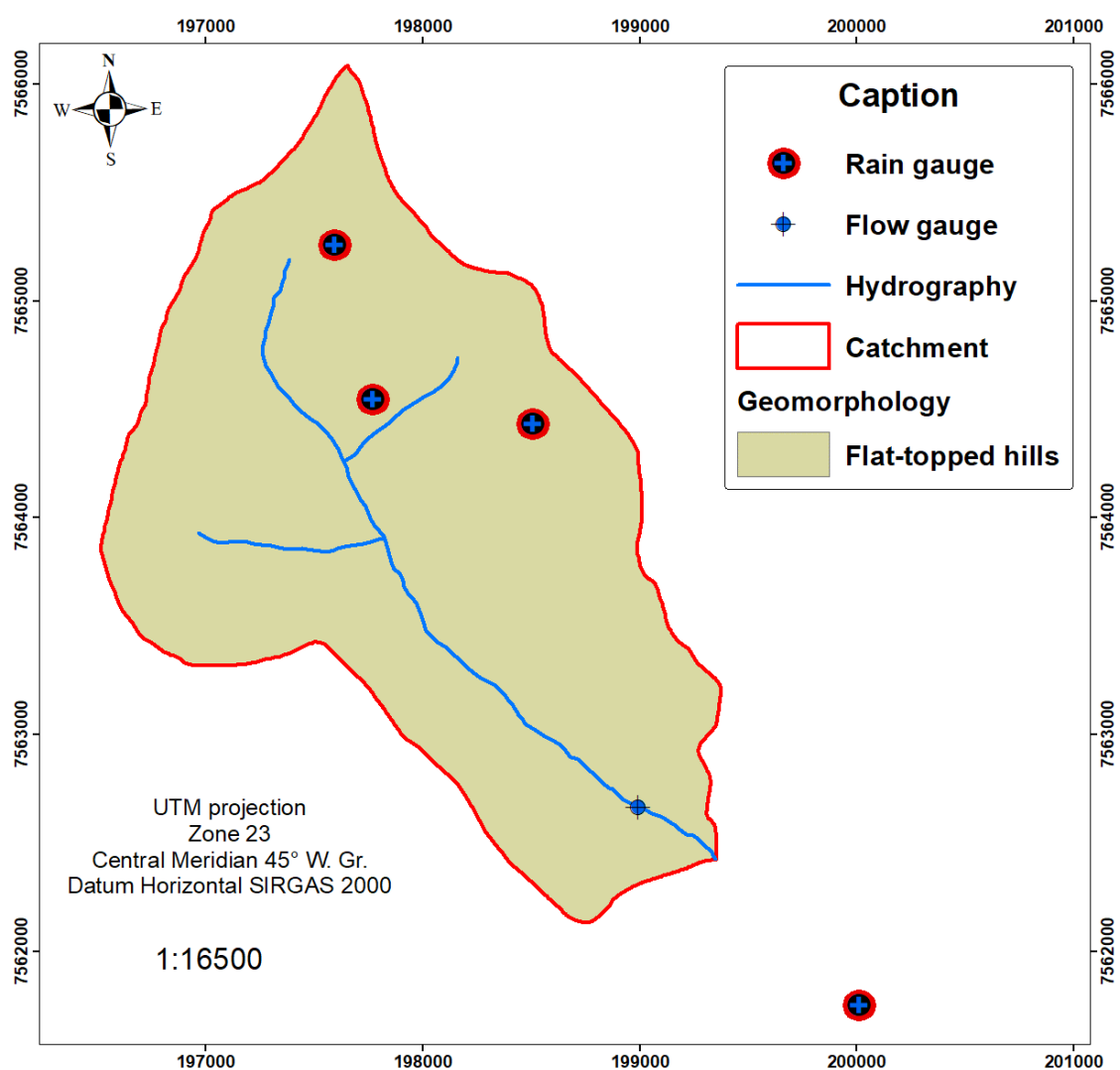
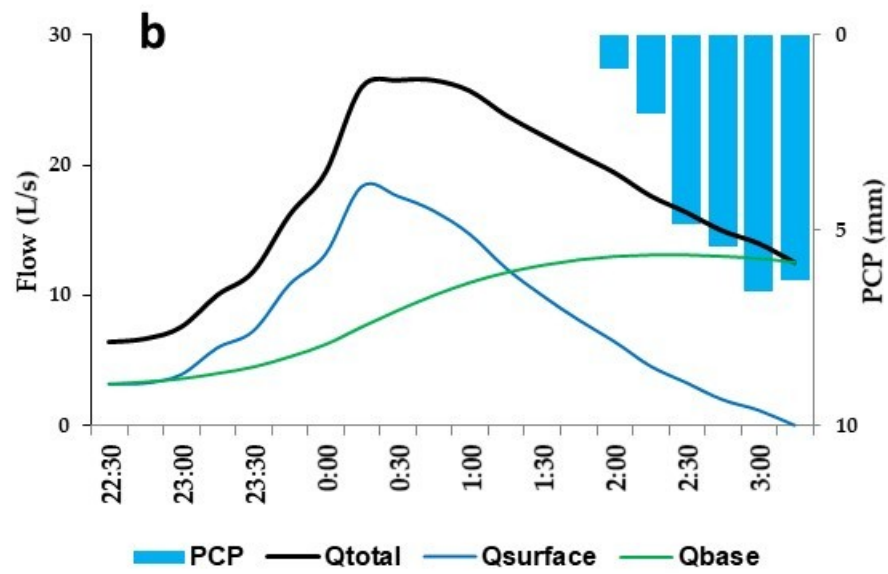
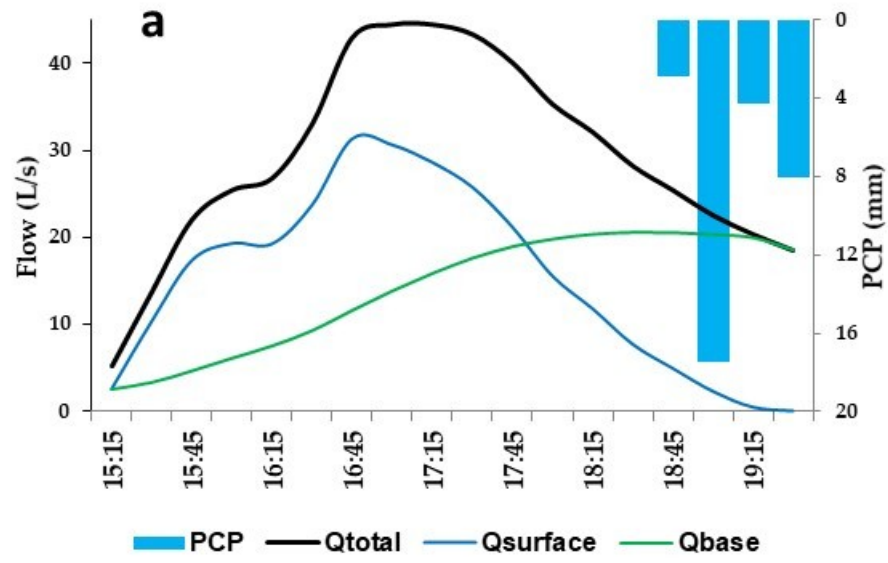
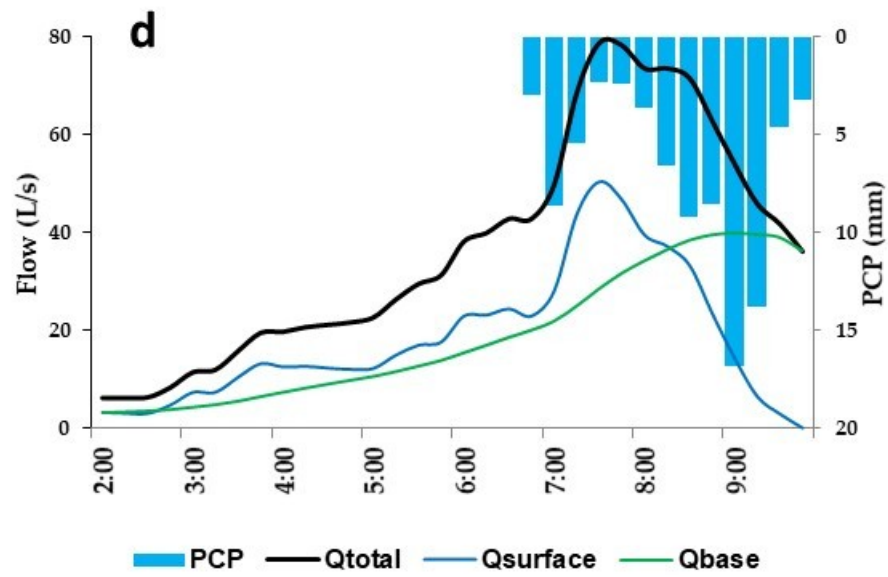
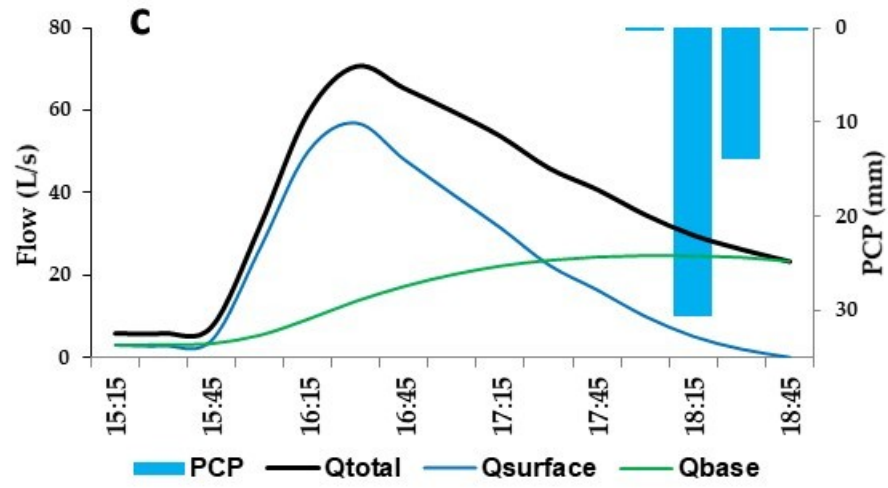


Figure 6. General information such as topography (elevation range), land use, soil and geomorphology of the Mineirinho catchment.





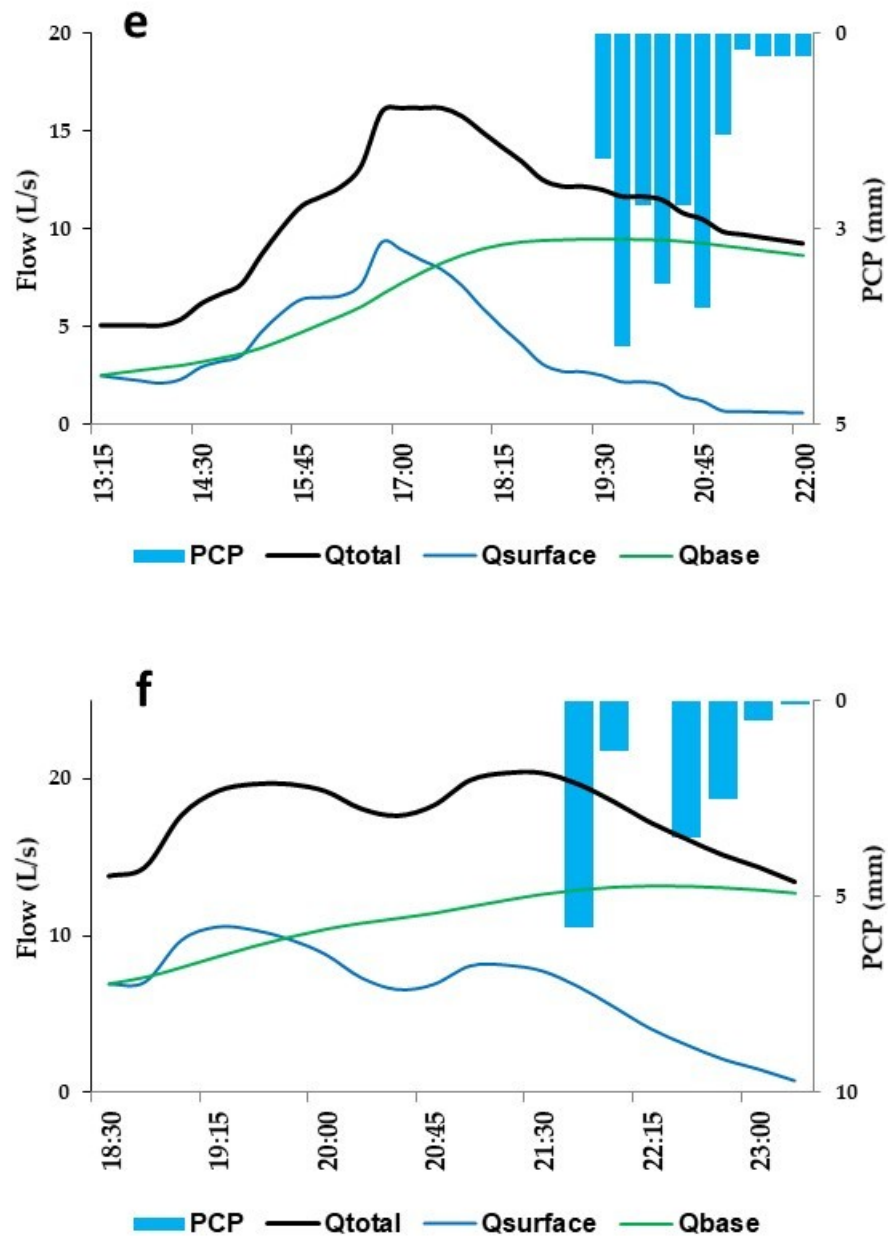
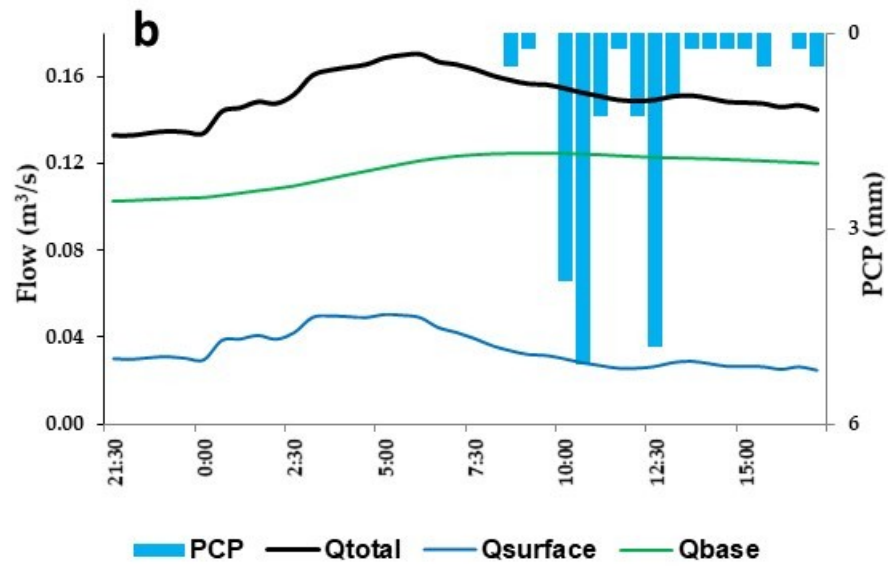
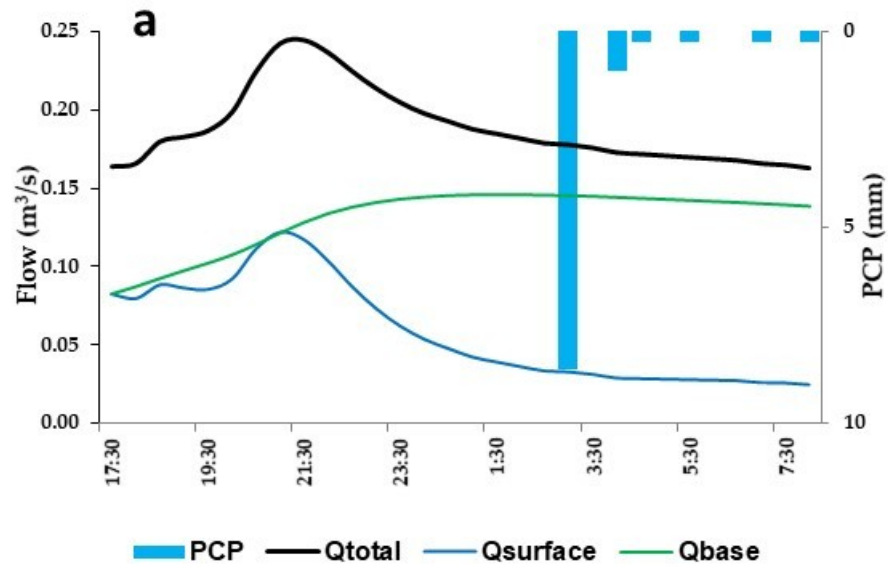
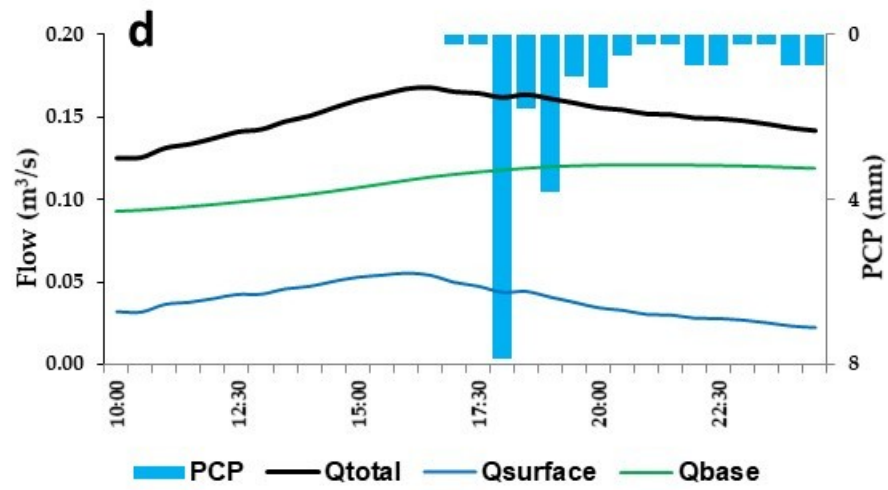
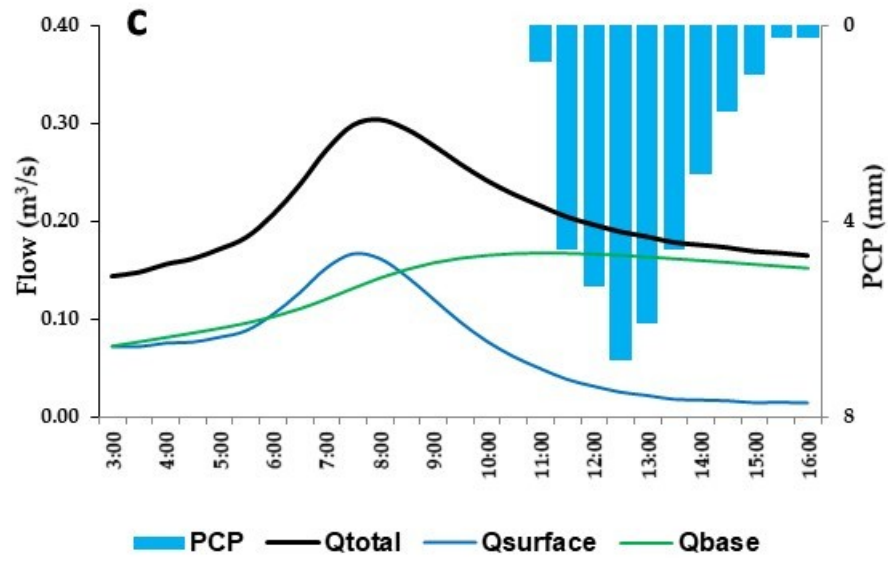


Figure 7. Hydrograph and precipitation (P) of Tinga catchment. January 7, 2011 (a), January 10 and 11, 2011 (b), January 27, 2011 (c), March 12, 2011 (d), April 12, 2011 (e), April 27 and 28, 2011 (f).





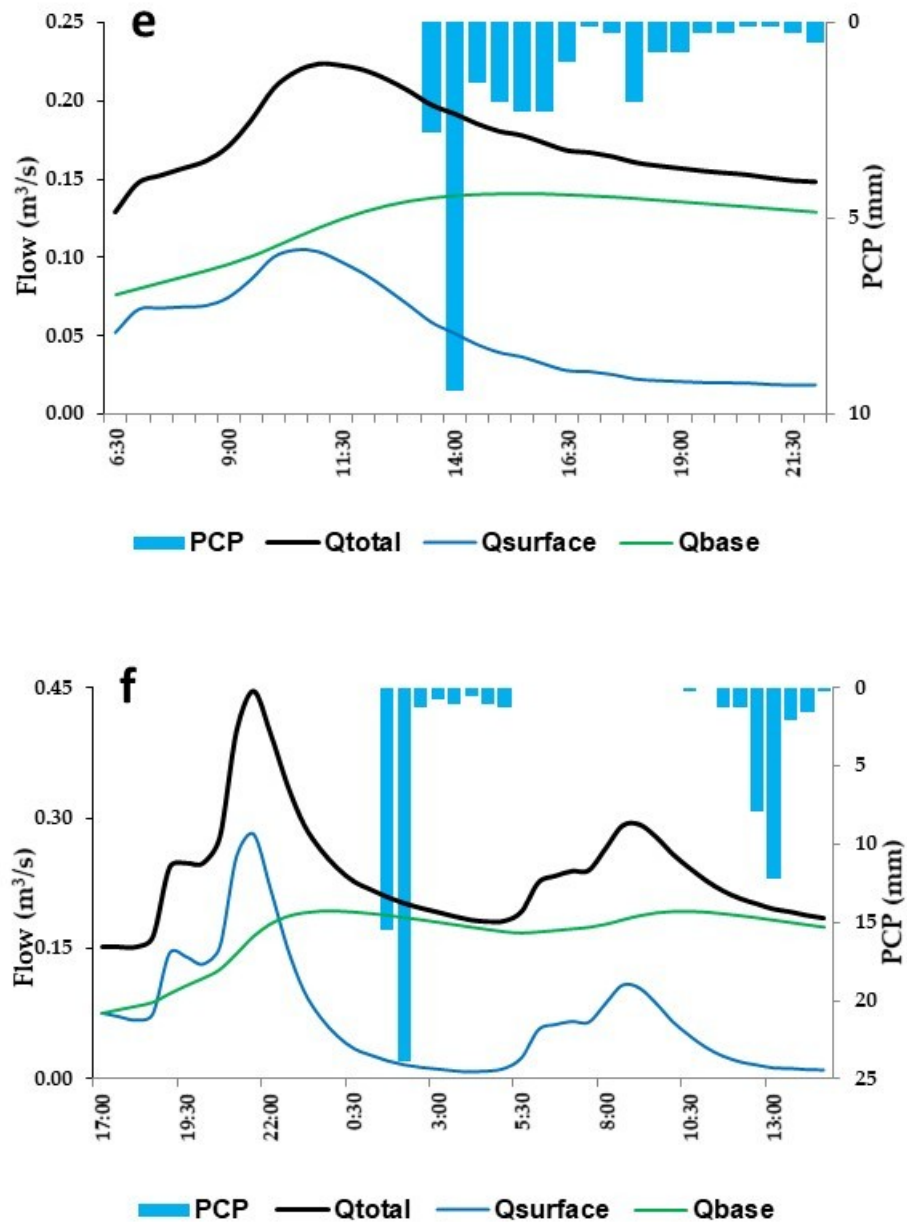
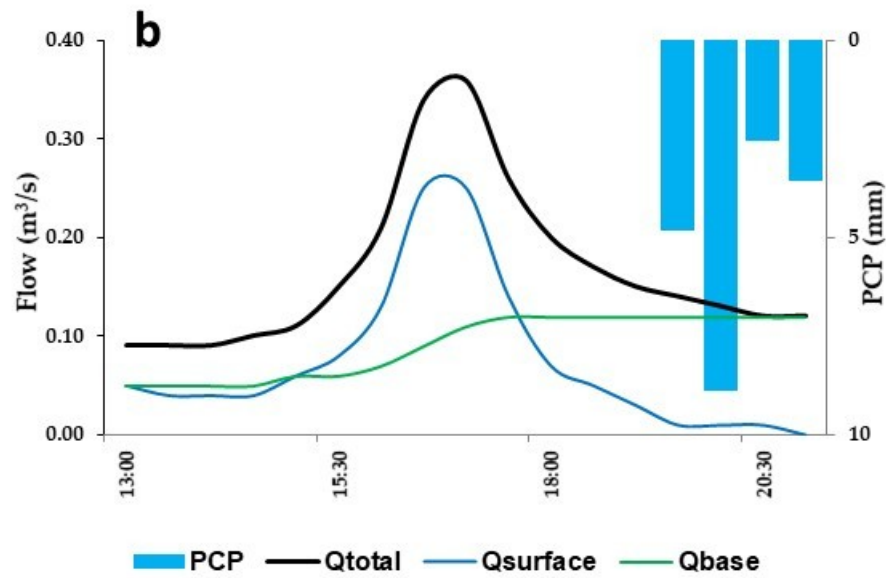
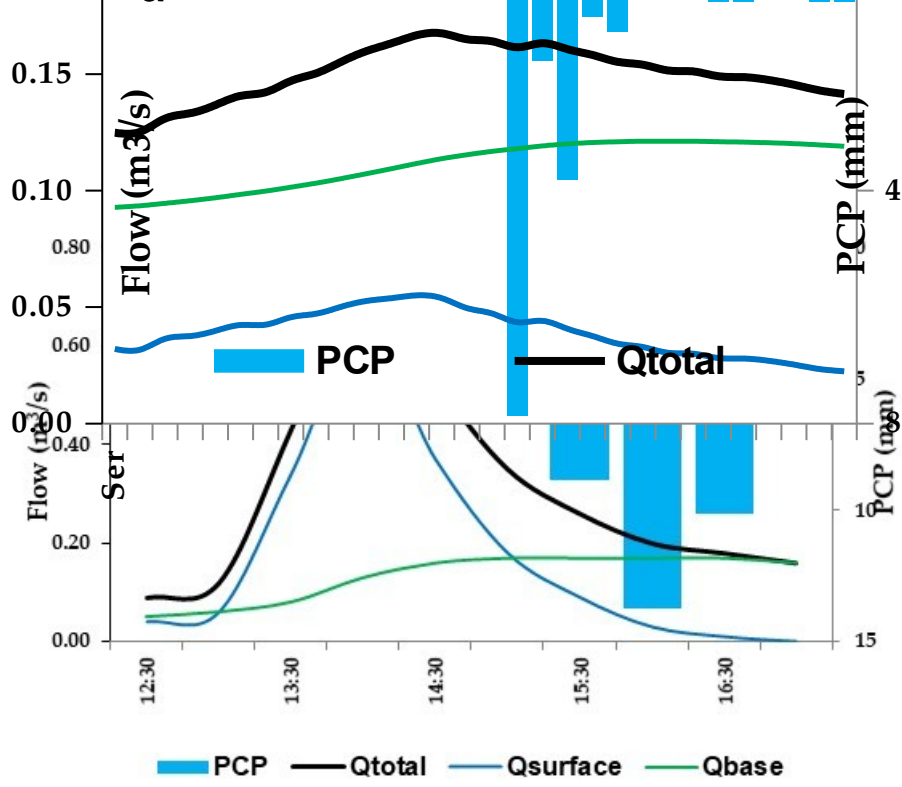
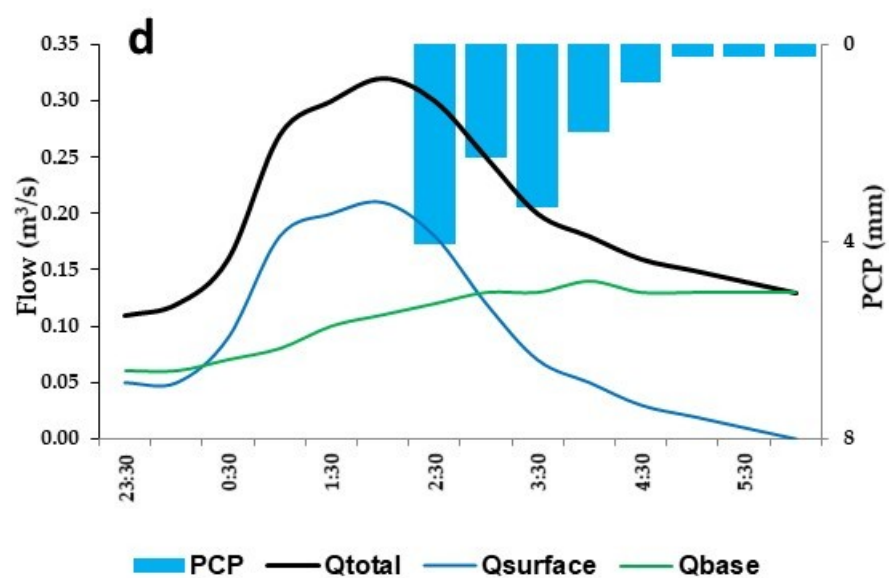
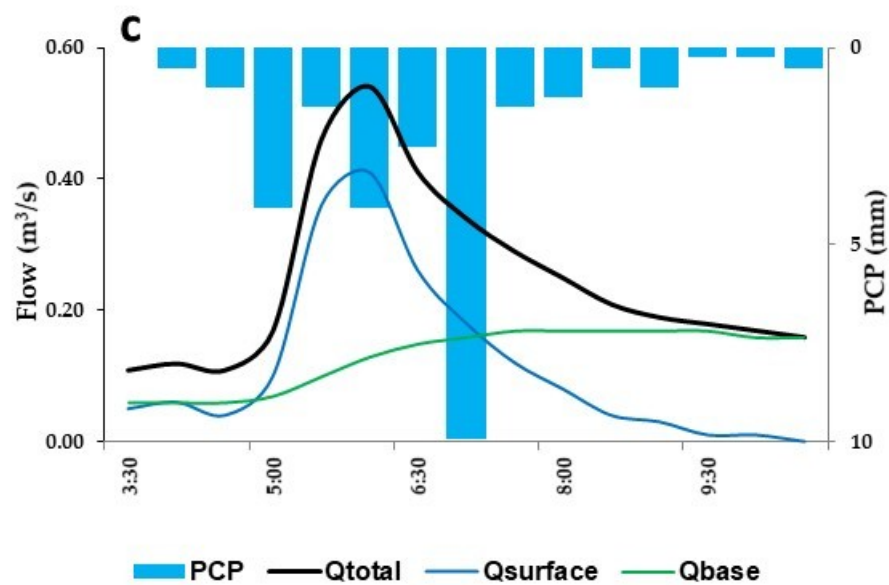


Figure 8. Hydrograph and precipitation (P) of PEG catchment. January 17 and 18, 2012 (a), October 18 and 19, 2012 (b), March 21, 2013 (c), September 17 and 18, 2013 (d), October 2 and 3, 2013 (e) December 28 and 29, 2013 (f).





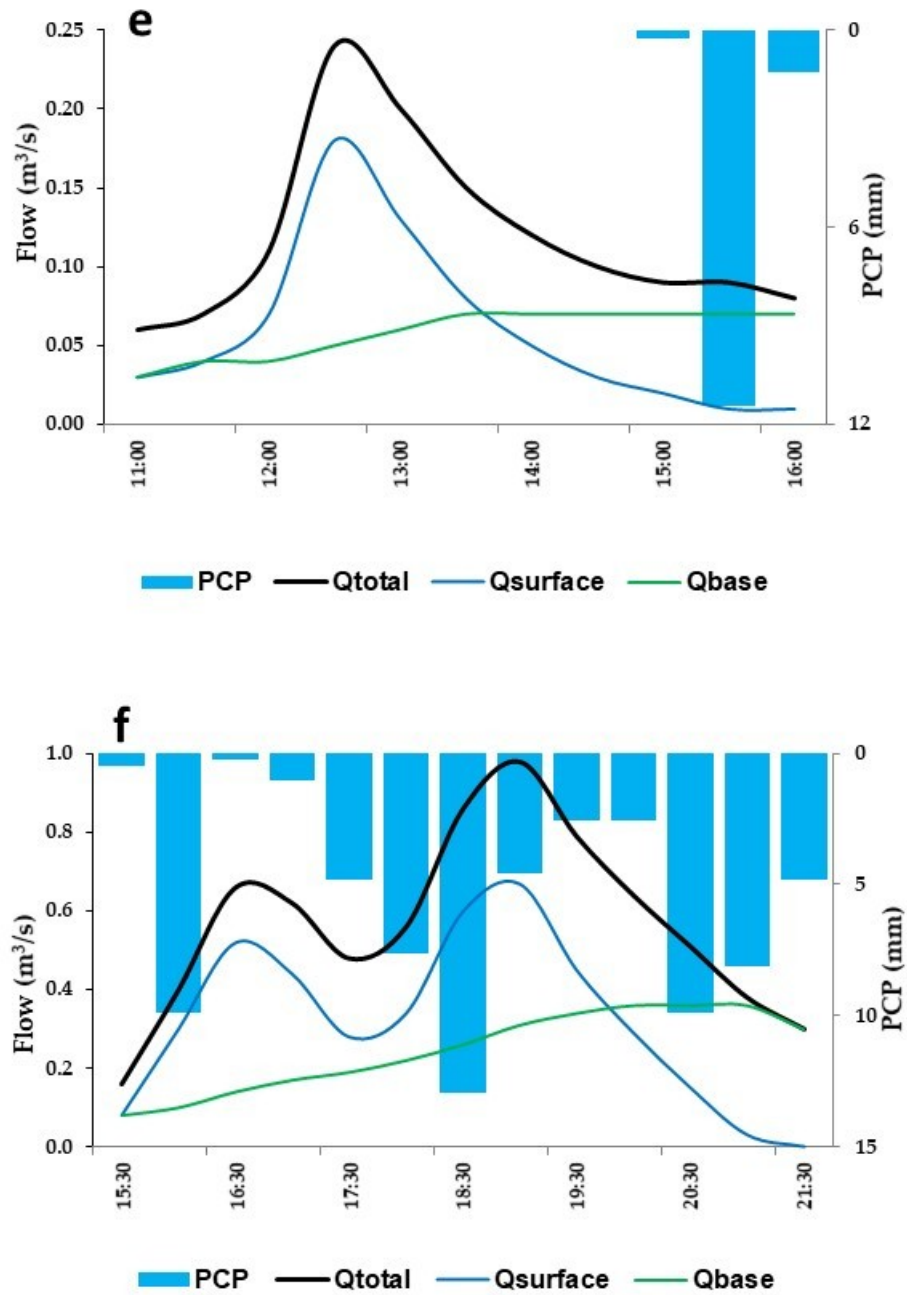
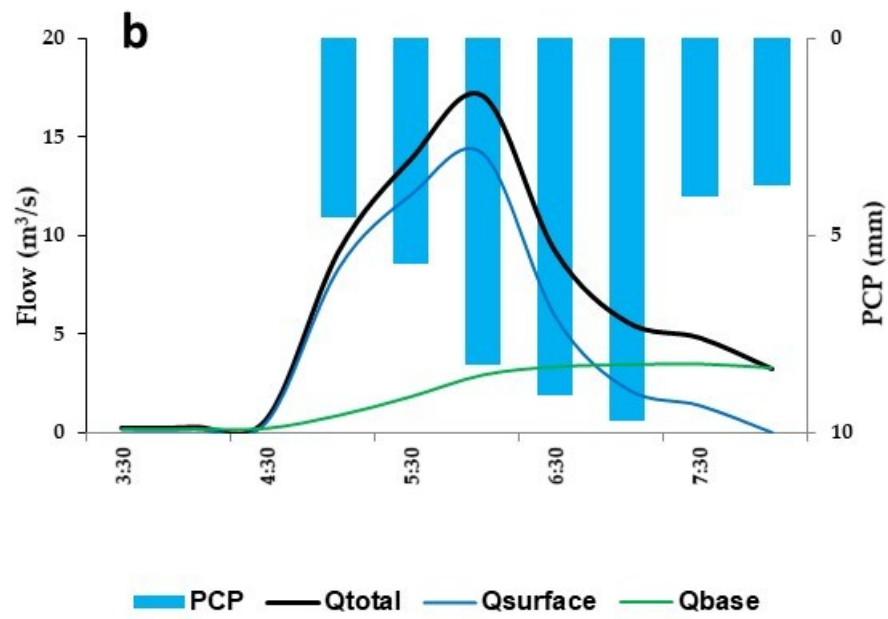
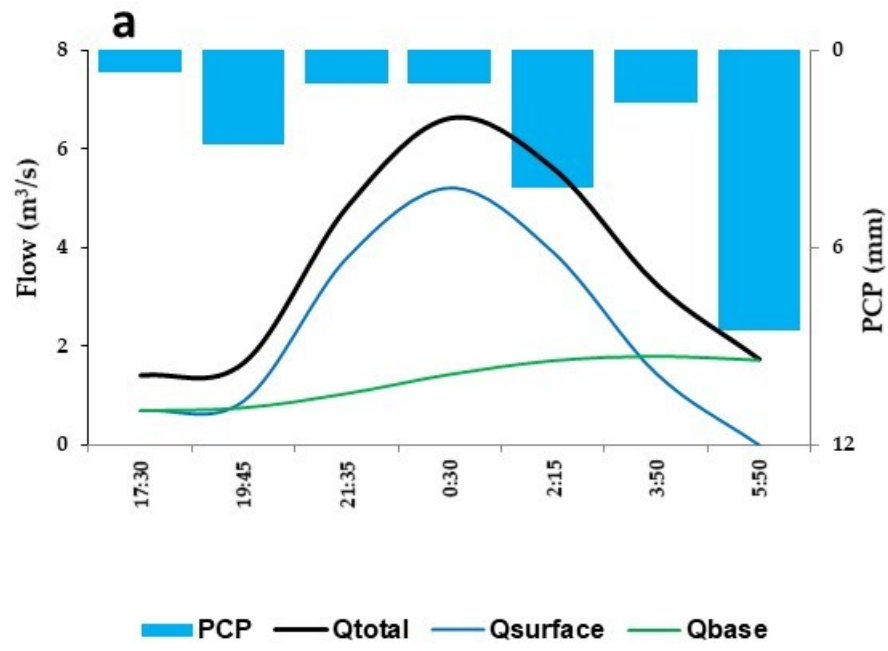
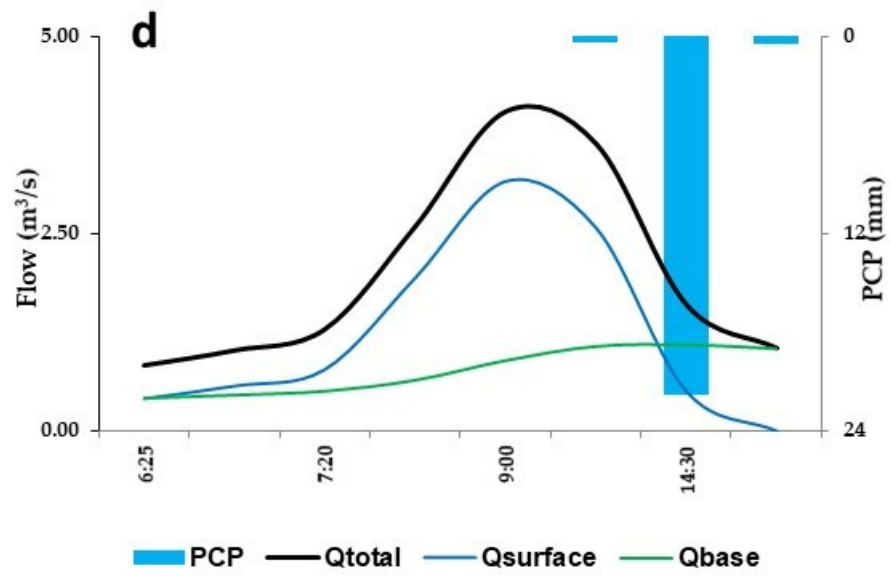
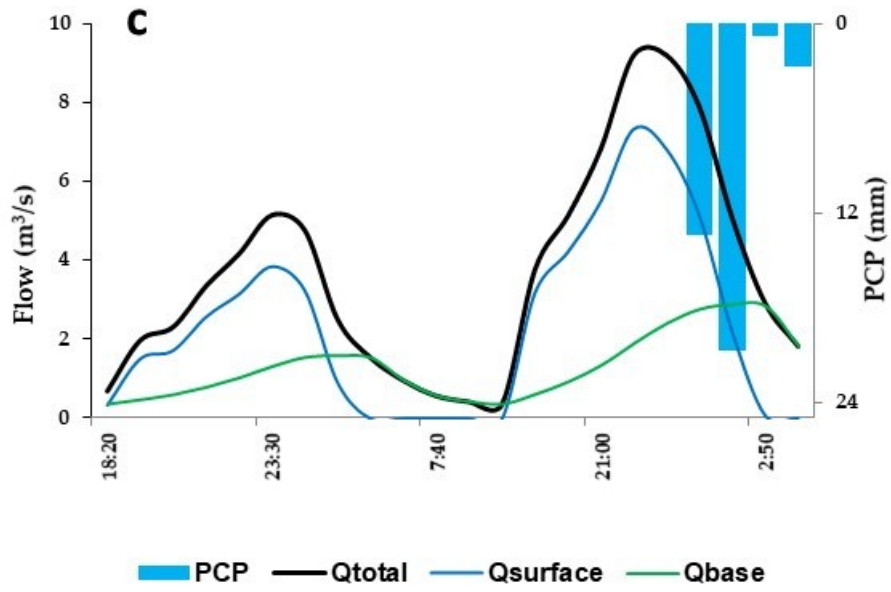


Figure 9. Hydrograph and precipitation (P) of SVG catchment. January 6, 2011 (a), January 9, 2011 (b), January 11, 2011 (c), January 12 and 13, 2011 (d), February 14, 2011 (e), February 28, 2011 (f).





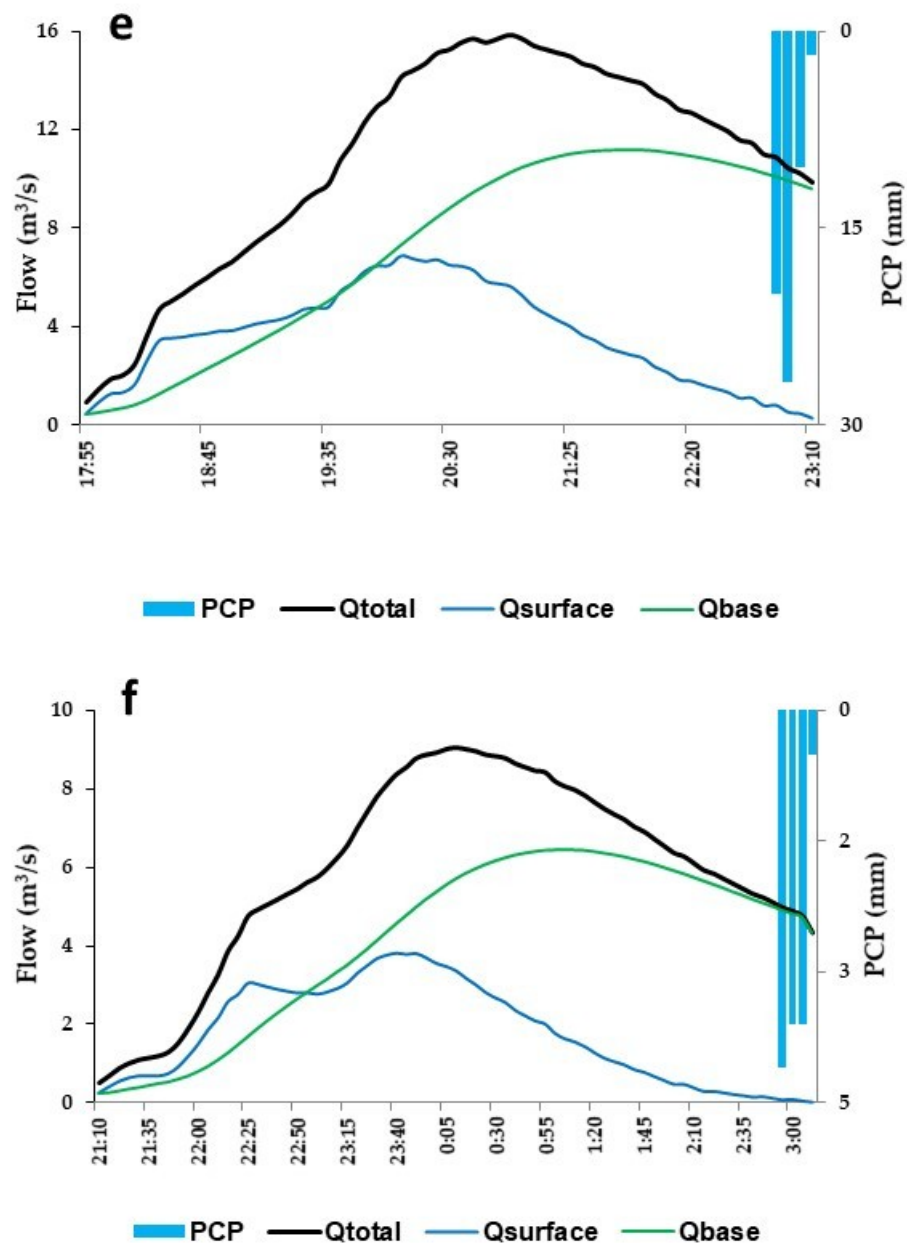
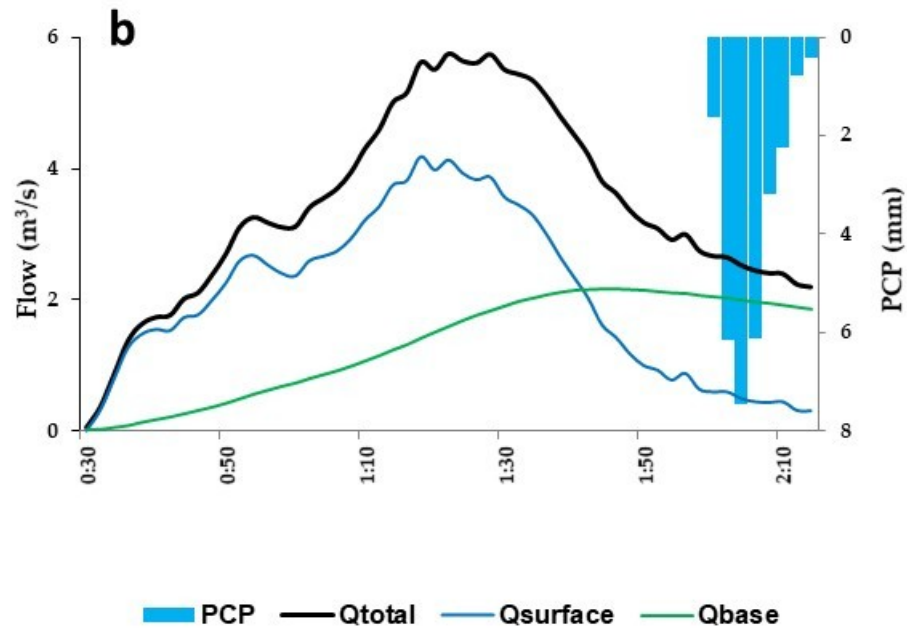
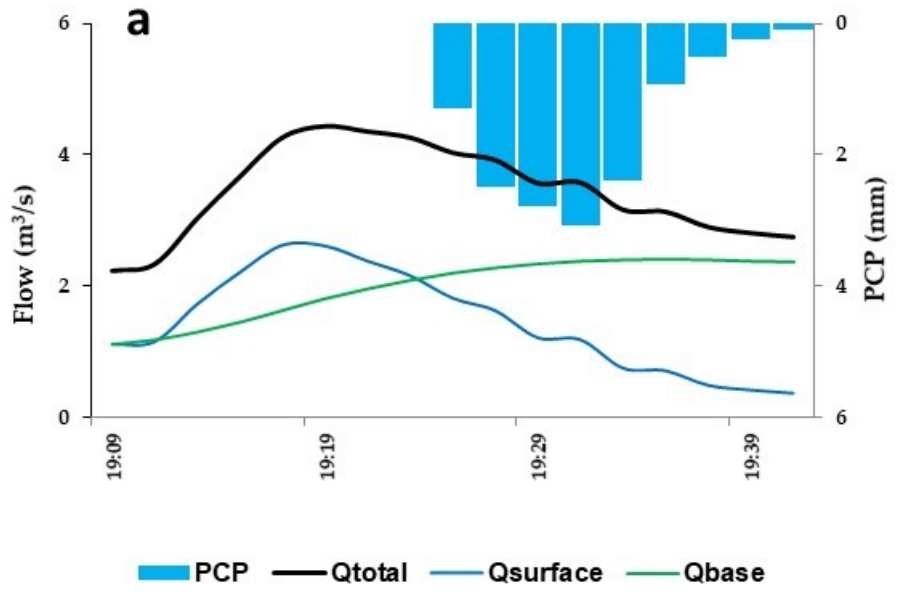
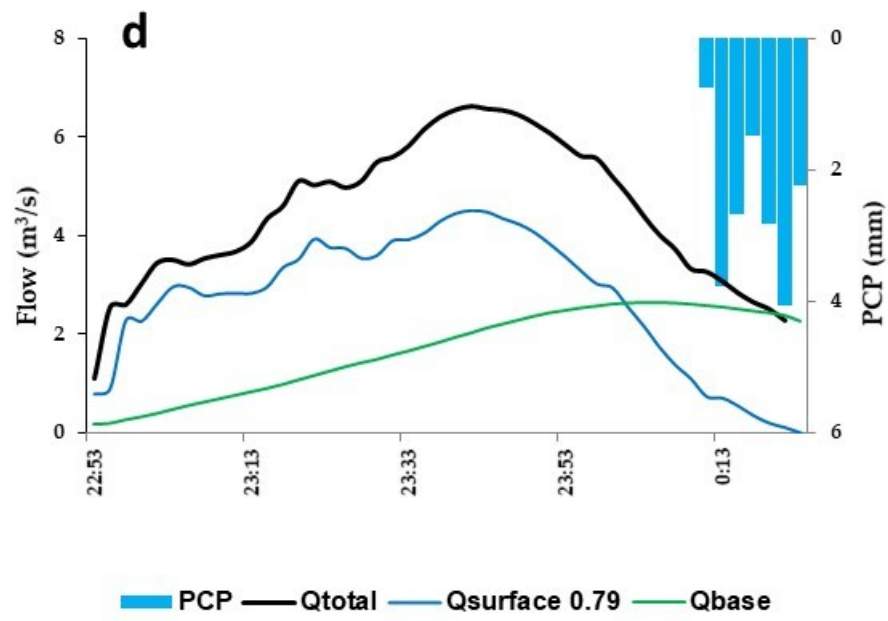
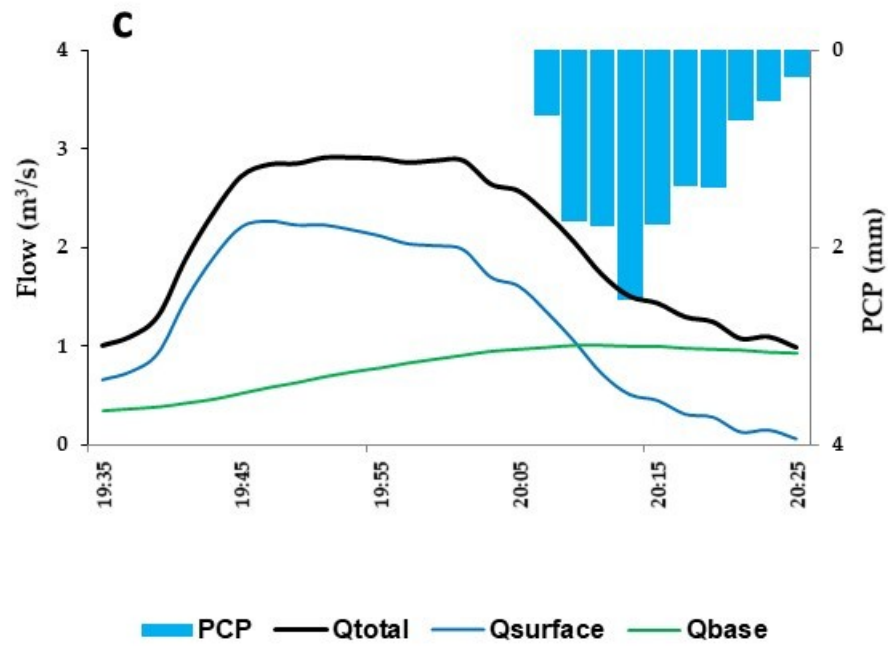


Figure 10. Hydrograph and precipitation (P) of BHRM catchment. January 8 and 9, 1999 (a), January 26 and 27, 1999 (b), February 1, 2 and 3, 1999 (c), February 21, 1999 (d), January 7 and 8, 2000 (e), 26 and 27 March 2000 (f).





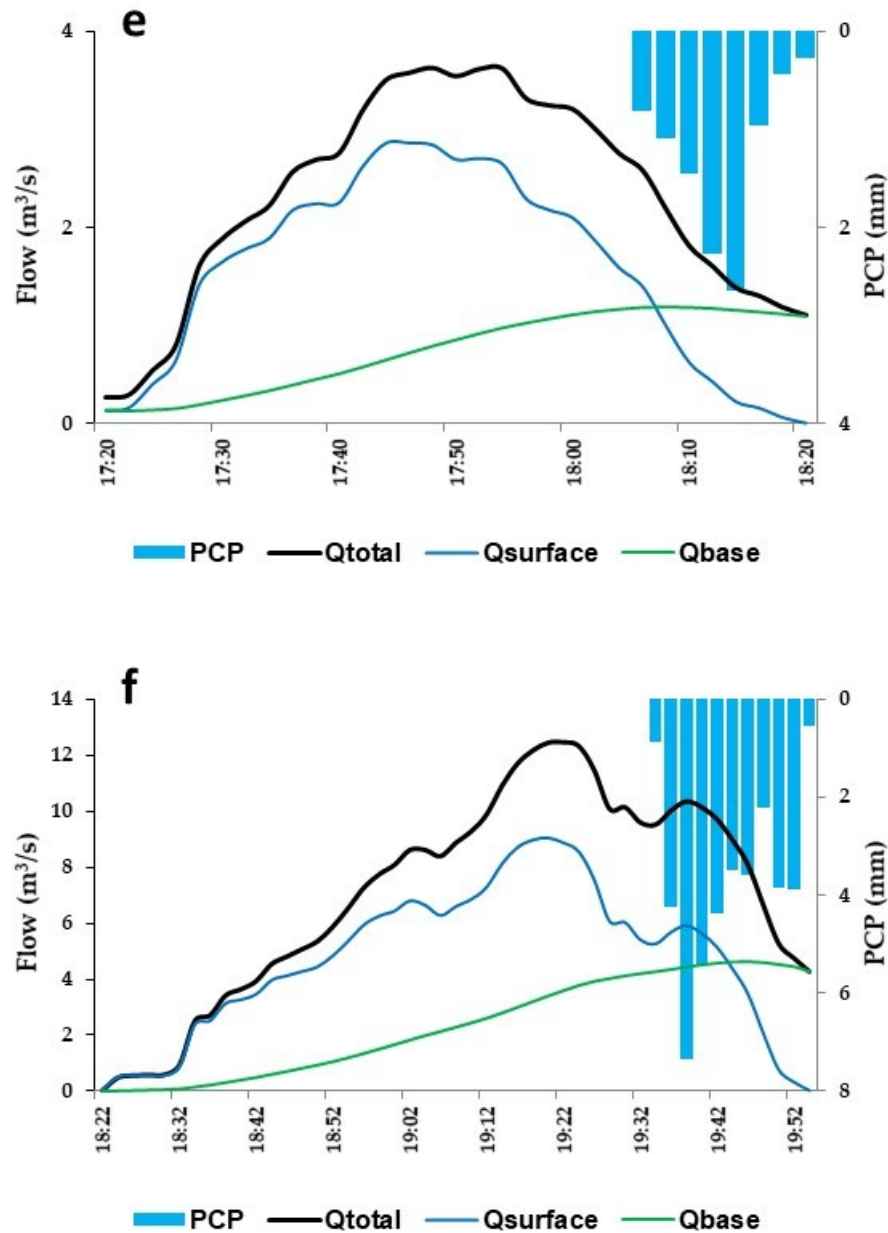
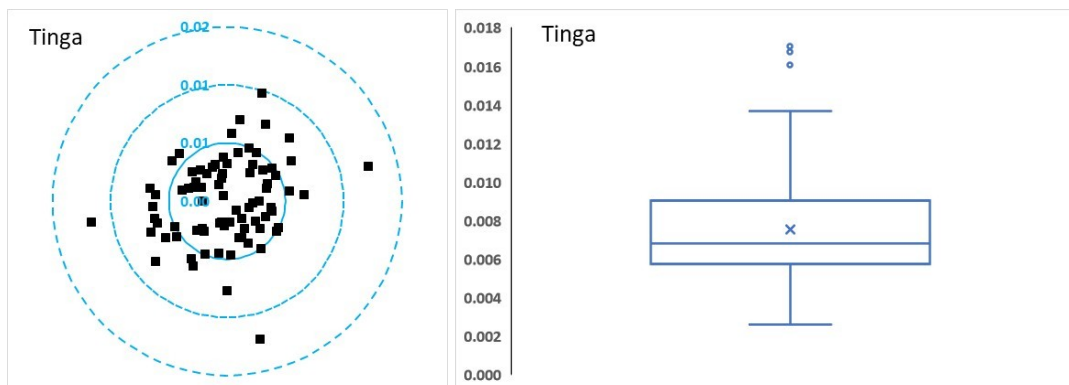


Figure 11. Hydrograph and precipitation (P) of Mineirinho catchment. March 31, 2014 (a), November 8, 2014 (b), December 11, 2014 (c), December 22, 2014 (d), February 1, 2015 (e), February 25, 2015 (f).



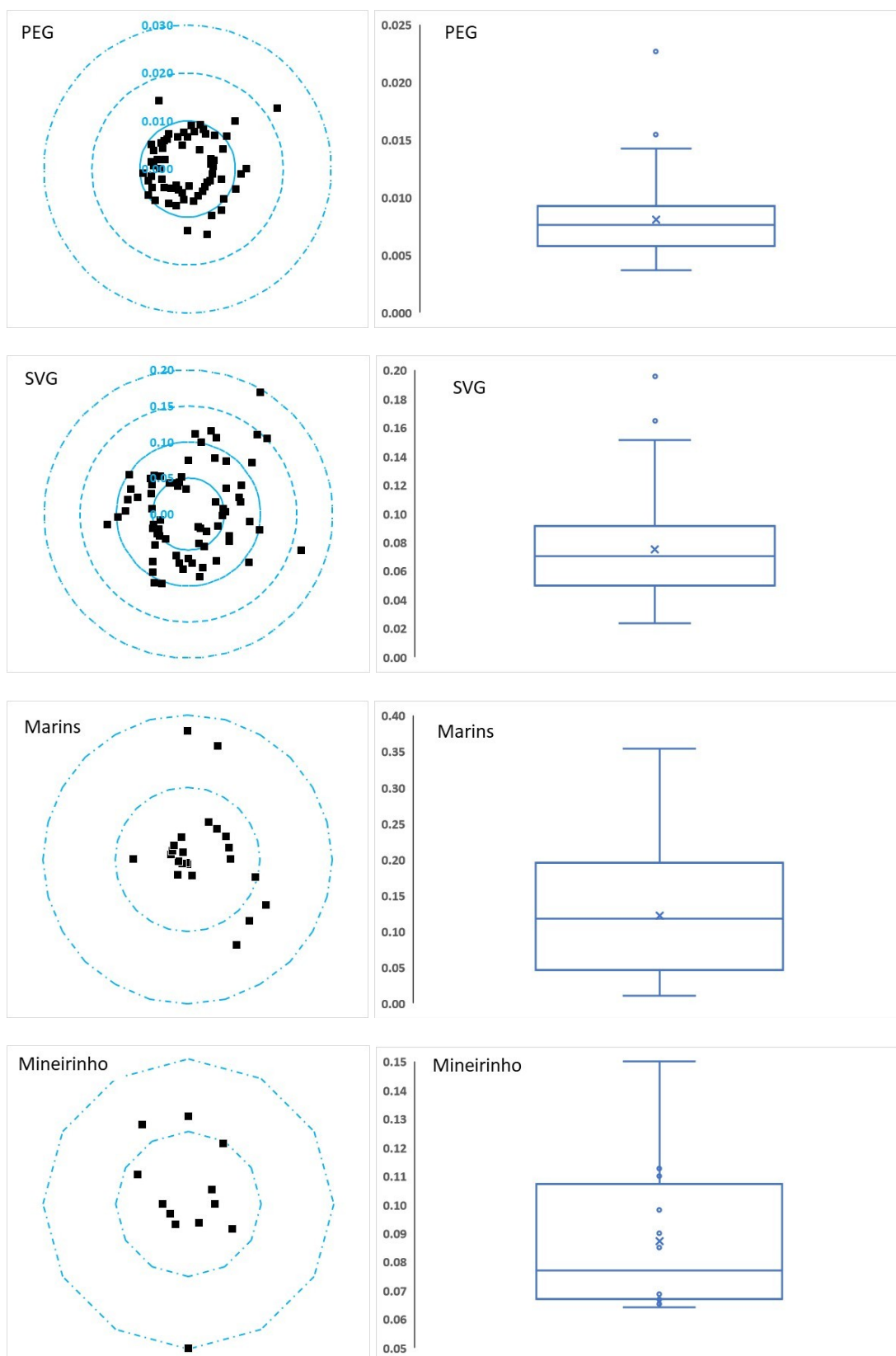


Figure 12. Sample variability for runoff coefficients (C). Bars indicate 5th and 95th percentiles of samples in the catchments.