

ANALYSIS OF STORMS IN RIO DE JANEIRO CITY IN APRIL 2010, THIESSEN METHOD

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ABSTRACT

Several reports show that the Rio de Janeiro city suffers many problems with rains, such as happened on April 5th and 6th 2010. The damage was very serious that official information, reported that the rain was the biggest in recent memory. However for this affirmative is necessary caution, because to occur floods, landslides, river flooding is necessary more than only rainfall but also the drainage system, infiltration area, high tide and others. Therefore this article analyzed the recurrence of the rain quoted, through the Thiessen method for 32 rain gauge of the Fundação Geo-Rio and also analyzed the Agência Nacional de Águas data, where it was found that recurrence were less than 50 years. Was also analyzed the level of the tide, which was above the monthly average daily and half the time of highest rainfall.

PALAVRA-CHAVE: floods, Thiessen method, Rio de Janeiro