

# **"FLOOD PEAK ABATMENT'S ANALISYS AND URBAN RUN OFF PROCESS IN URBAN STORMWATER AROUND THE MORON DISTRICT".**

## **Abstract:**

The Morón stream is the main tributary located on the right margin of the Reconquista river. It is the main collector of the pluvial excedents from a densely populated zone, comprising the Morón, Ituzaingó, Hurlingham, La Matanza and Tres de Febrero Districts, that lie on the western sector of the Conurbano Bonaerense.

Its upper and middle section have been rectified by tubings, while it's lower section runs at open air, keeping its original course, its valley has been widened to improve the flow. The tubings first made, in the middle course and afterwards in the upper one, have not enough transport capacity for the amount of water received by the stream, so the water overflows through the aluvial plain, causing the flooding of streets and houses.

Compensation facilities, like the Casullo street reliever and the first section on the Quintana street reliever, which take the pluvial excedents, from the stream upper section and conduct them independently to the open air lower section have recently been built.

This paper discus the morphology of the Morón stream hydric network, and the difficulties in rainwater draining. Therefore it's studyng the information about the weather (rains) available in the aerea and the features all over the ground and what covers it to obtain the hydrologic model.