

# Depletion of Surface Watercourses in the City of Košice

—  
Landscape-Urban Competition  
“Revitalization of the Mill Race in Košice”

## Content

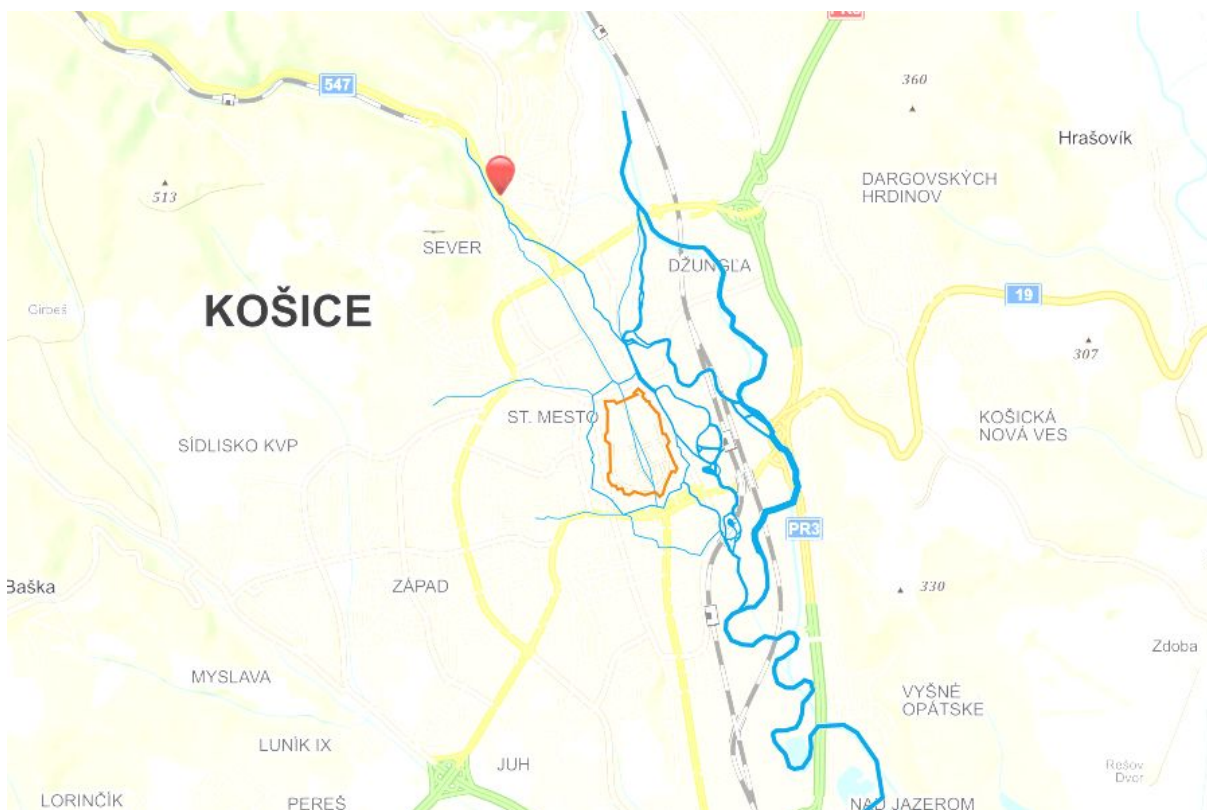
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## I. Introduction

The territory of the central part of Košice has undergone a radical change in recent centuries in terms of surface watercourses occurrence. From landscape with many streams and richly developed meanders of the River Hornád branches, changing during each flood, to the regulated River Hornád with several piped streams and the Mill Race - the last watercourse in the wider city center.

The overview in this document drew data from historical maps, the watercourses of which are reflected in the map of present-day Košice.

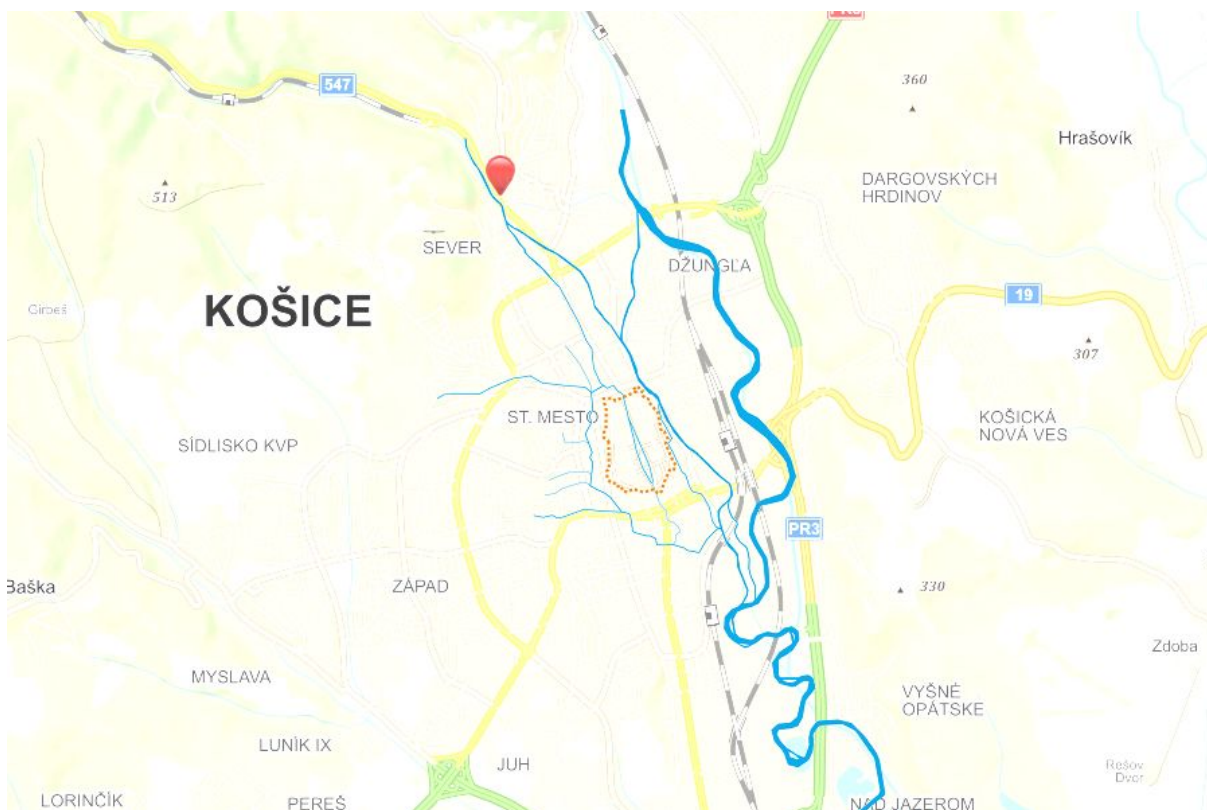
## II. Situation in 1747



Situation of surface water in 1747 can be described as follows:

1. Significant dense network of the River Hornád branches to the east of city fortifications
2. The Čermel' Creek is divided, one of the arms flows through the center, the other along today's Tolstého Street and empties into the Mill Race, approximately on the site of present Rokoko Hotel
3. The Račí Creek and Myslava Creek are clearly visible, supplying water into the moat

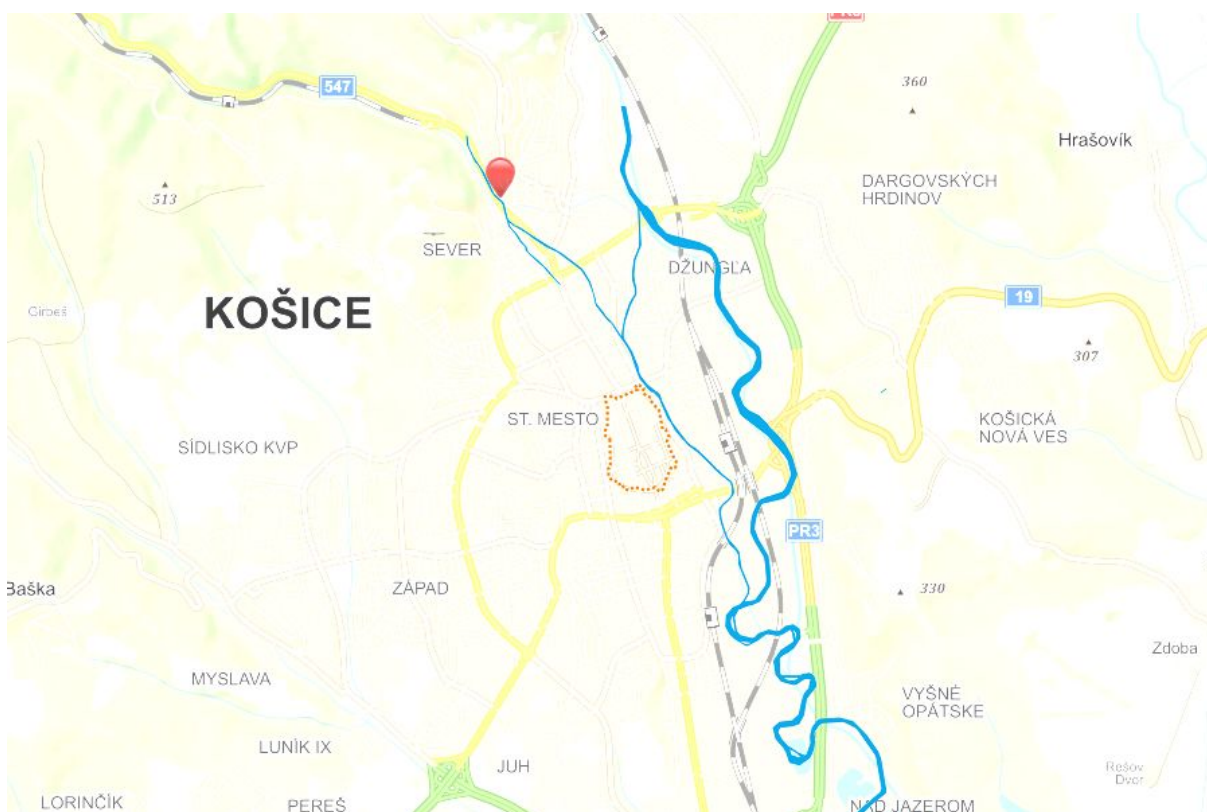
### III. Situation in 1854



Situation in 1854:

1. The network of the River Hornád branches to the east of the city fortifications is reduced
2. The Mill Race definitely formed
3. The Čermel' Creek still flowing through the centre and down Tolstého Street
4. The moat is without water or completely missing

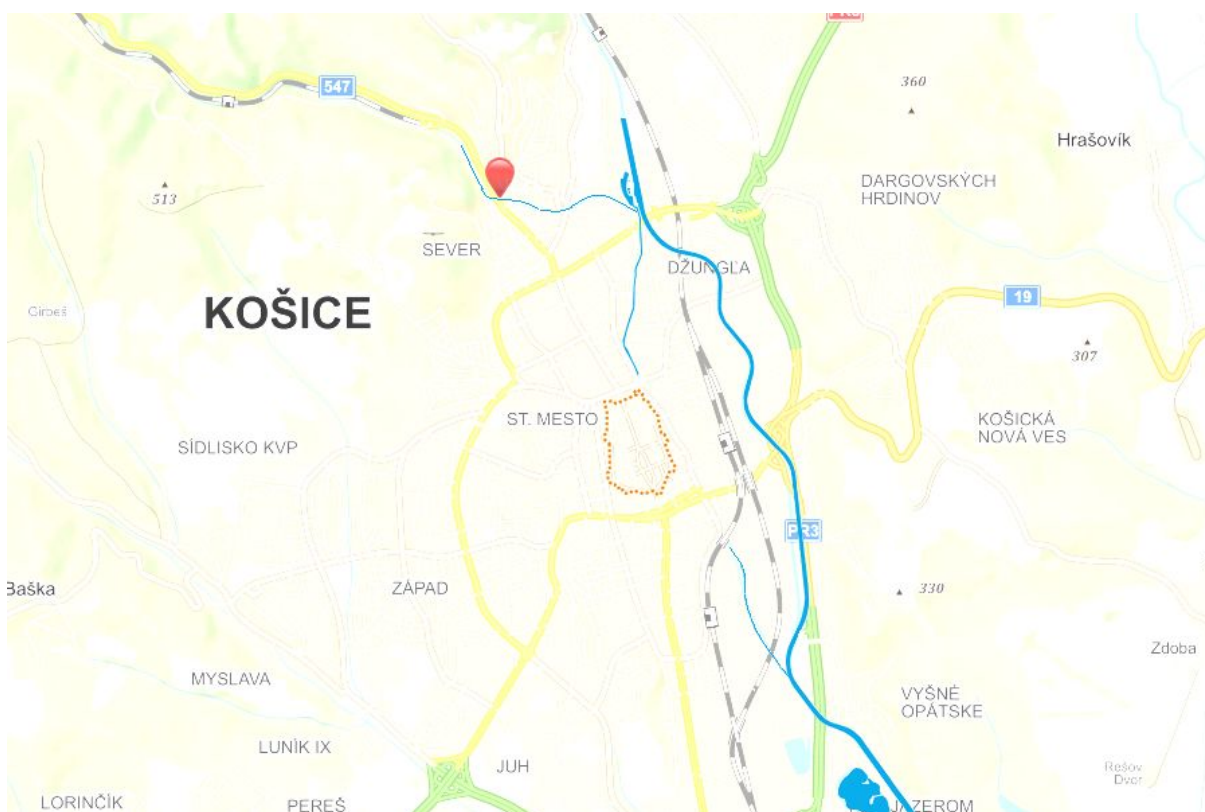
## IV. Situation in 1912



Situation in 1912:

1. The River Hornád and the Mill Race dominate the city
2. The Čermel' Creek still flowing down Tolstého Street, however, its second branch is piped
3. The Račí Creek and The Myslava Creek are minor, not on the map, probably partially piped

## V. Situation in 1990

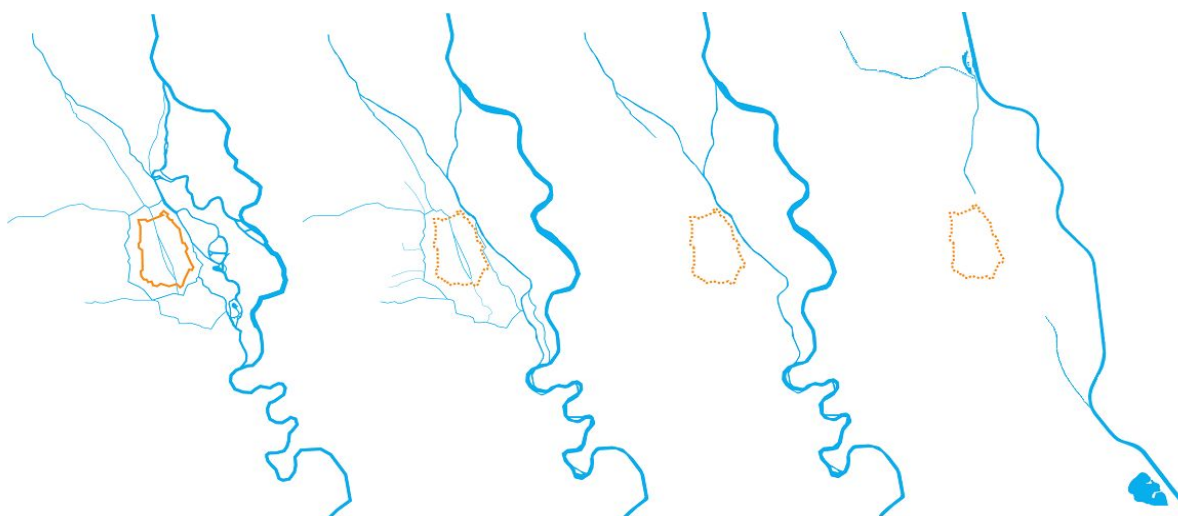


Situation in 1990:

1. Visible water reservoir Ryba, the original riverbed of the River Hornád
2. The River Hornád is diverted into a new riverbed and flowing through a sluice
3. The River Hornád is significantly regulated, without meanders
4. Čermel' Creek branches are abolished, the creek is diverted into the artificial riverbed of the River Hornád which it is entering right after Ryba water reservoir
5. The Mill Race is piped in its central part
6. Jazero lake created to the south of the River Hornád



## VI. Depletion of surface watercourses between 1747 and 1990



The comparison of surface watercourses in Košice between 1747, 1854, 1912 and 1990 shows their significant decline. The need of the Mill Race revitalization in its original riverbed and uncovering its piped sections is greatly urgent in times of global climate change.



Comparison of surface watercourses in Košiciach between 1747, 1854, 1912 and 1990 in relation to size of the built-up area.