

# INVESTIGATIONS OF PAH POLLUTION IN STORMWATER STREAM TVÄRÅN

## Project reference

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### Project:

Pilot project in Umeå city (Sweden)

### Customer:

Umeå county, Sweden

### Project period

2001-2002

### Nature of task:

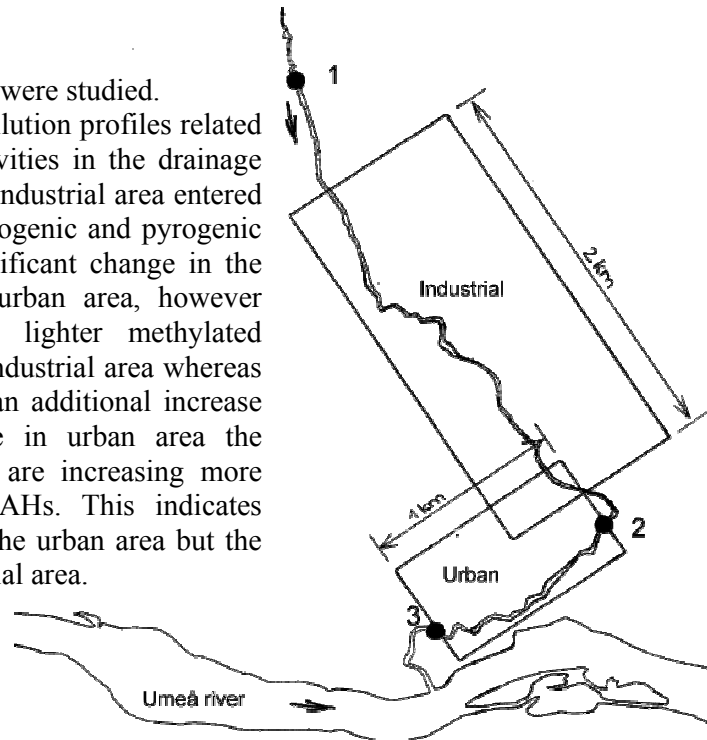
- Determination of bioaccumulative PAH pollution profile in Tvärån stormwater stream
- Evaluation of possible non-point sources



Stormwater  
sampling  
with SPMD

## Summary

In this study the 16 EPA PAH compounds were studied. All three sampling sites show different pollution profiles related to the probable industrial and urban activities in the drainage regions. When the clean water upstream industrial area entered the industrial site notable increase of petrogenic and pyrogenic pollution were seen. There were no significant change in the pollutant levels when reaching site at urban area, however change in composition. Most of the lighter methylated compounds are added into the stream in industrial area whereas heavier methylated compounds displays an additional increase in the urban area. After sampling site in urban area the concentration of the petrogenic indicator are increasing more than the concentration of pyrogenic PAHs. This indicates continuous source of petrogenic PAHs in the urban area but the source is different compared to the industrial area.



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