Results on sedimentological and geochemical analyses of the Krka River and its tributaries

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SECOND MEETING Integrated evaluation of aquatic organism responses to metal exposure: gene expression, bioavailability, toxicity and biomarker responses (BIOTOXMET)

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Sampling stations:

- 1. Source of the river Krka (KRS)
- 2. Krka near Knin, with the discharge of municipal wastewater (KRK)
- 3. Lake Brljan (KBL)
- 4. Tributary Krčić (TKR)
- 5. Tributary Orašnica (TOR)
- 6. Tributary Butišnica (TBU)
- 7. Tributary Kosovčica (TKO)
- 8. Industrial wastewaters near Orašnica (IWW)













Source of the river Krka (KRS)



High levels of: Mg, Ca

Lowest levels of: Lithogenic elements (+ REE)

Medium Sand Trimodal, Very Poorly Sorted

Data comparable with data for nearby Zrmanja

* highest

















Highest levels of: Ca

municipal wastewater (KRK)

Low level of: Lithogenic fraction

Medium Sand Bimodal, Very Poorly Sorted

Data comparable with data for location 1 with exception of: As, Bi, Mg, Mo and Sb

































Carbonate fraction relatively high.

Comparable with average values for this region.

Very fine Sand Unimodal, Very Poorly Sorted

No maxima!













































High levels of: Lithogenic fraction (Al, Be, Cs, Li, Sc, Rb, Ti, REE) + Cr, Mn, V

Very fine Sand Bimodal, Very Poorly Sorted

* highest















Industrial wastewaters near Orašnica (IWW)



Highest levels of: As, Bi, Ba, Co, Cu, Cr, Mn, Fe, Mo, Ni, P, Pb, S, Sb, Sn, U and Zn

Very Coarse Silt Bimodal, Very Poorly Sorted

* ~100x higher * > 300x higher





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