

SUMMARIZATION OF SOME RESULTS OF THE PROJECT REGIONAL ENVIRONMENTAL IMPACT ASSESSMENT STUDIES OF THE CONTAMINATED SITES IN SELECTED REGIONS

Jaromír Helma¹ – Katarína Paluchová² – Alena Vengrinová³

¹ Department of Analyses, Environmental Assessment and Environmental Services, Slovak Environment Agency, Banská Bystrica, Slovak Republic

² Department of Analyses, Environmental Assessment and Environmental Services, Slovak Environment Agency, Banská Bystrica, Slovak Republic

³ Department of Analyses, Environmental Assessment and Environmental Services, Slovak Environment Agency, Banská Bystrica, Slovak Republic

KEYWORDS

Classification, contaminant, contaminated sites, groundwater, environmental impact assessment, priority, risk, surface water

ABSTRACT

Environmental impact assessment of the contaminated sites in the individual self-government regions of the SR is a main objective of the project „Regional Environmental Impact Assessment Studies of the Contaminated Sites in Selected Regions“. Elaboration of „Methodical Instruction for Development of Documents – Regional Environmental Impact Assessment Studies of the Contaminated Sites in Selected Regions (only as methodical instruction hereinafter), and harmonised elaboration of assessment reports – regional studies are the specific objectives of the project.

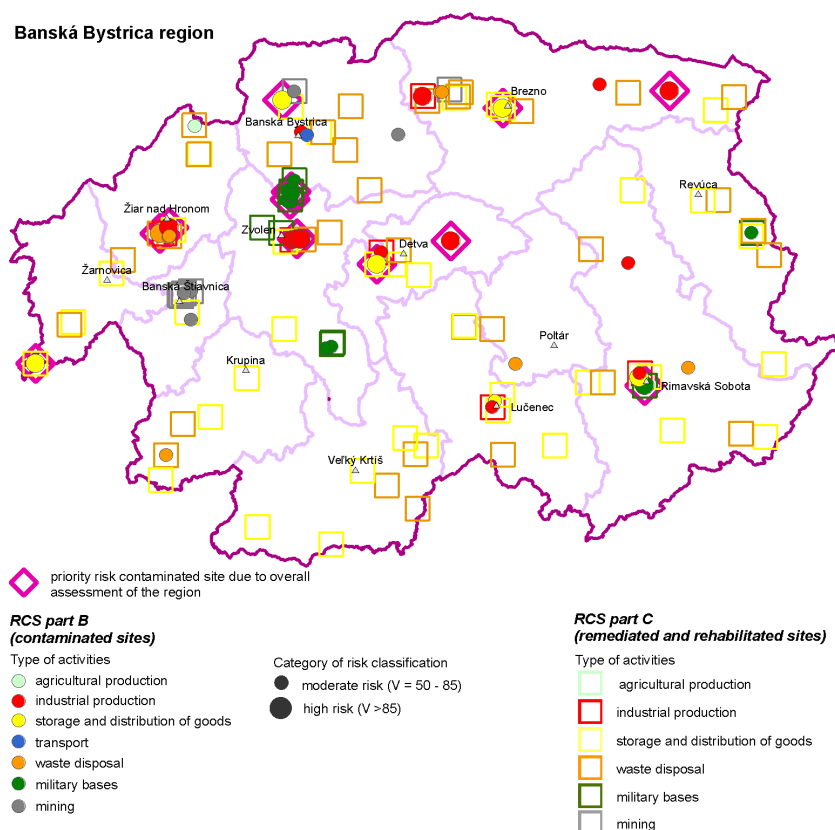


Fig. 1 Contaminated sites in Banská Bystrica region

Regional risk assessment of the contaminated sites in the framework of this project comprise synthesis of the basic risk assessment (criterion K), performed in the framework of the project „Systematic Identification of the Contaminated sites in the Slovak Republic“ (Paluchová et al., 2008), implemented during years 2006 – 2008, as

well as complementary risk assessment (criterion R), implemented directly in the framework of the project Regional Environmental Impact Assessment Studies of the Contaminated Sites in Selected Regions

Tab. 1 Number of probable contaminated sites according to level of risk

District	Number	Low risk (K)	Moderate risk (K)	High risk (K)	Low risk (V)	Moderate risk (V)	High risk (V)
B. Bystrica	13	2	11	0	2	11	0
B. Štiavnica	7	2	5	0	1	6	0
Brezno	15	5	9	1	4	10	1
Detva	3	1	2	0	1	2	0
Krupina	5	1	2	2	1	2	2
Lučenec	8	5	3	0	4	4	0
Poltár	4	0	3	1	0	3	1
Revúca	6	0	5	1	0	3	3
R. Sobota	15	4	9	2	4	9	2
V. Krtíš	9	4	4	1	5	4	0
Zvolen	8	0	7	1	2	5	1
Žarnovica	15	1	11	3	1	8	6
Žiar n. Hron.	12	4	8	0	4	8	
Banská Bystrica region	120	29	80	11	29	75	16

Synthesis of the basic risk classification of the contaminated sites ($K = K1 + K2 + K3$) and the complementary assessment of risk of the environmental burden ($R = R1 + R2 + R3 + R4 + R5$) results in the overall impact (risk) environmental impact assessment of the environmental burden represented by the criterion $V = K + R$.

When several sites (PCS, VCS) appeared in the limit value of the first ten according to the number of points, the ranking of priority sites was broadened or reduced with regards to the number of such sites in order to avoid excessive rise or excessive decrease of the number of priority sites in relation to the value of 10.



Fig. 2 Contaminated sites in Banská Bystrica region – Predajná

LITERATURE

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Ing. Jaromír Helma, PhD.

Slovak Environment Agency
Department of Analyses, Environmental Assessment and Environmental Services
Tajovského 28, 975 90 Banská Bystrica
Slovak Republic
jaromir.helma@sazp.sk

Ing. Katarína Paluchová

Slovak Environment Agency
Department of Analyses, Environmental Assessment and Environmental Services
Tajovského 28, 975 90 Banská Bystrica
Slovak Republic
katarina.paluchova@sazp.sk

Ing. Alena Vengrinová

Slovak Environment Agency
Department of Analyses, Environmental Assessment and Environmental Services
Tajovského 28, 975 90 Banská Bystrica
Slovak Republic
alena.vengrinova@sazp.sk