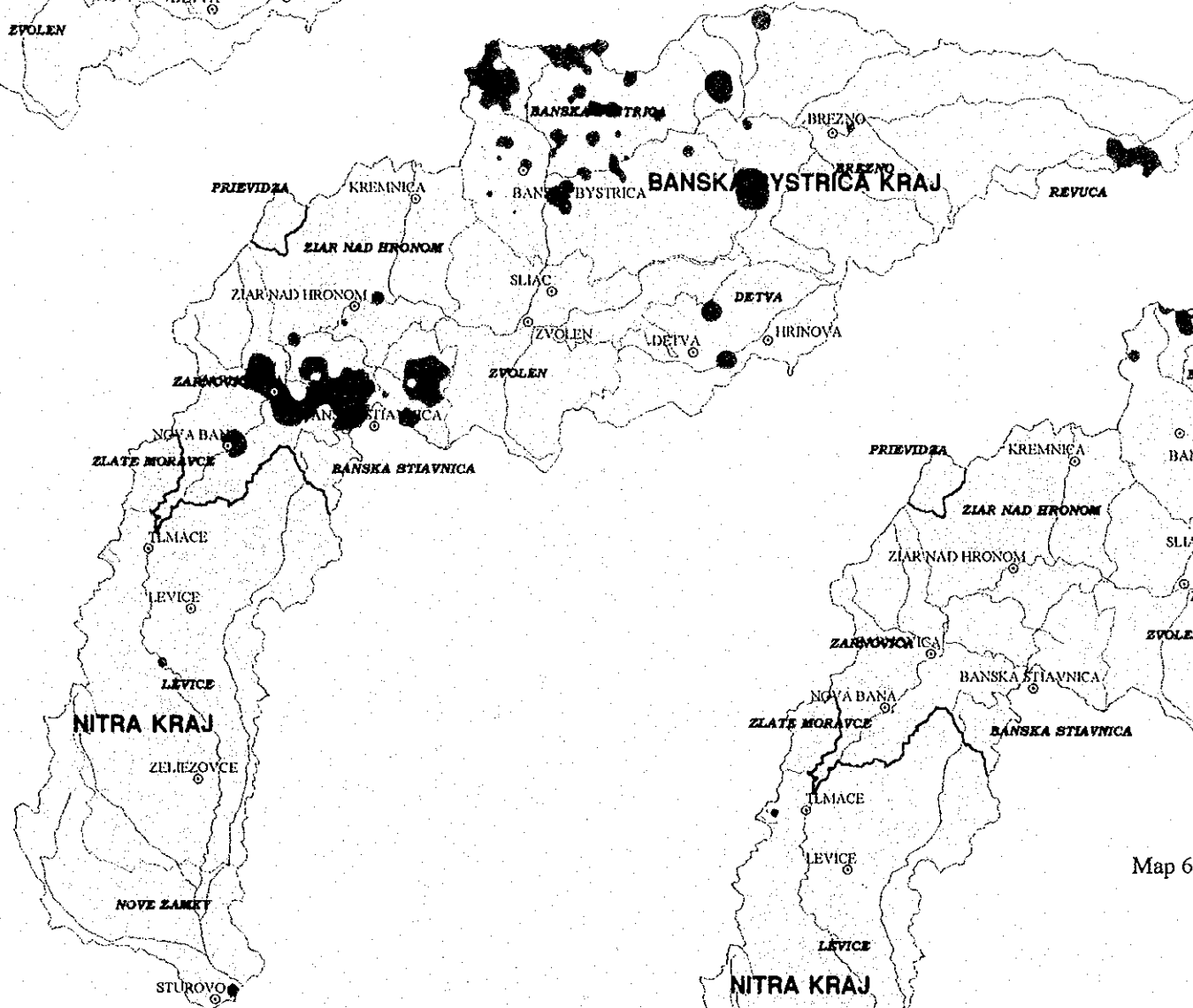
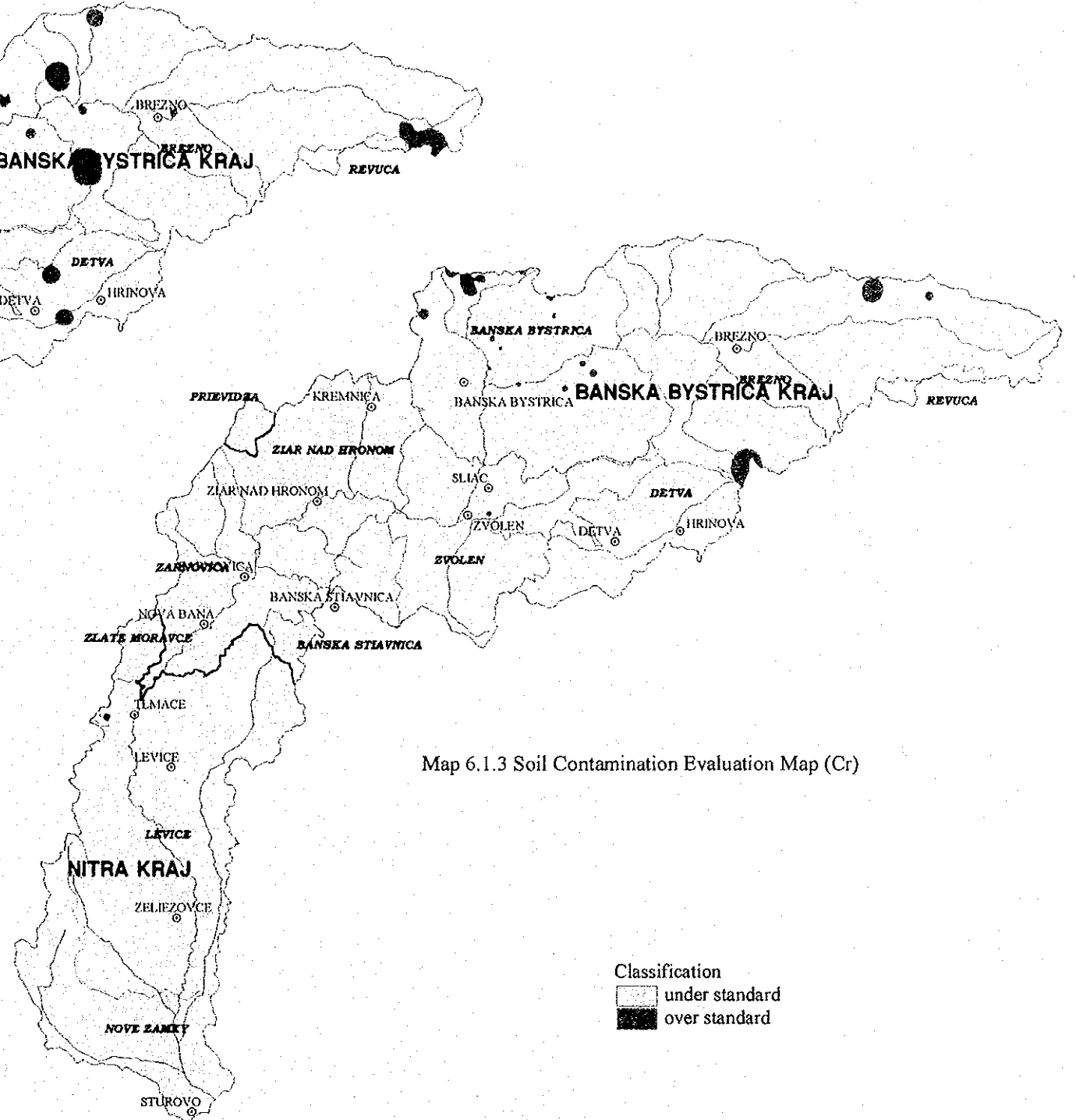


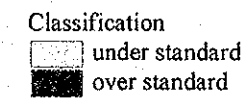
Map 6.1.1 Soil Contamination Evaluation Map (As)

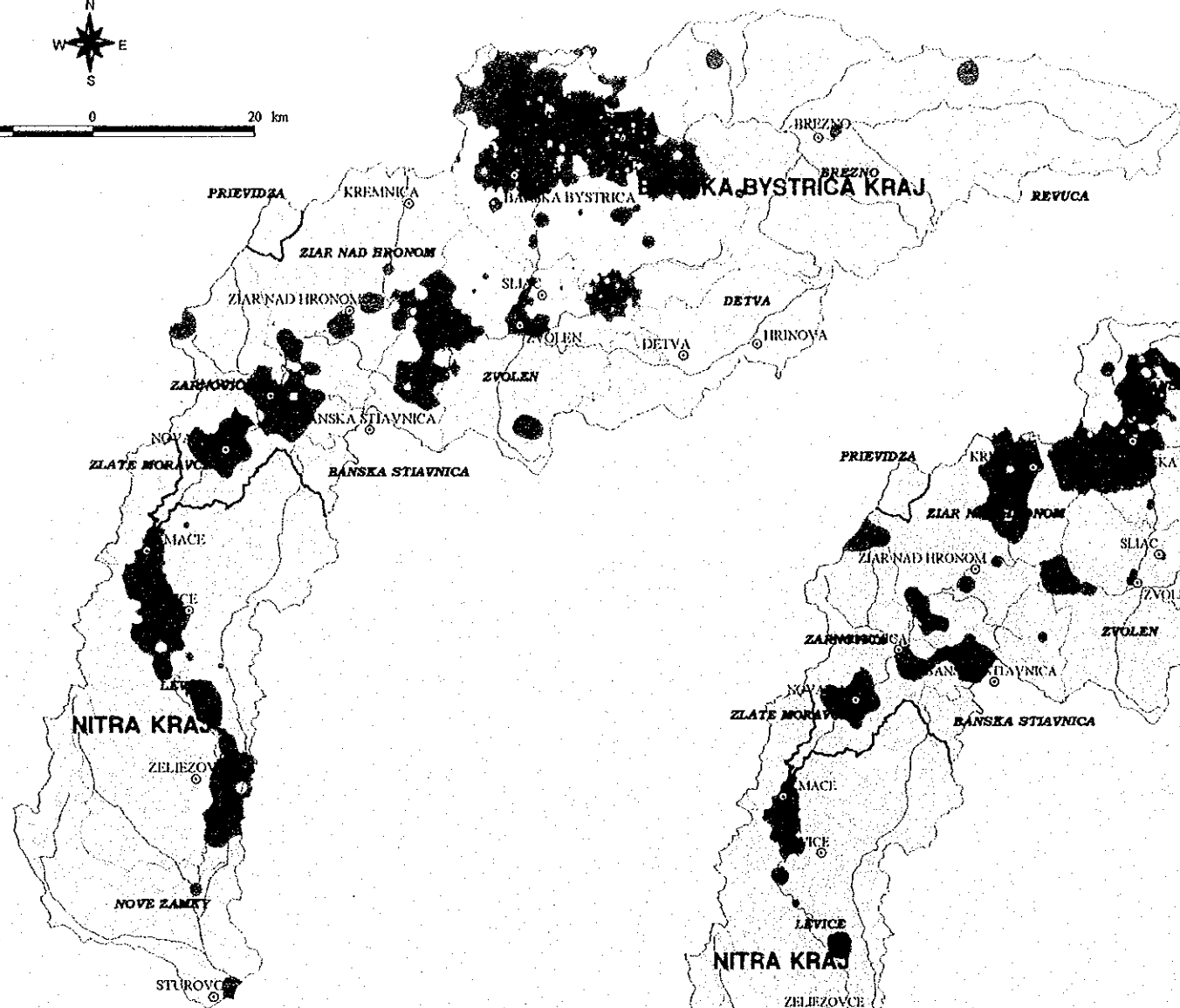
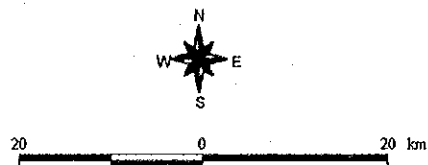


Map 6.1.2 Soil Contamination Evaluation Map (Cd)

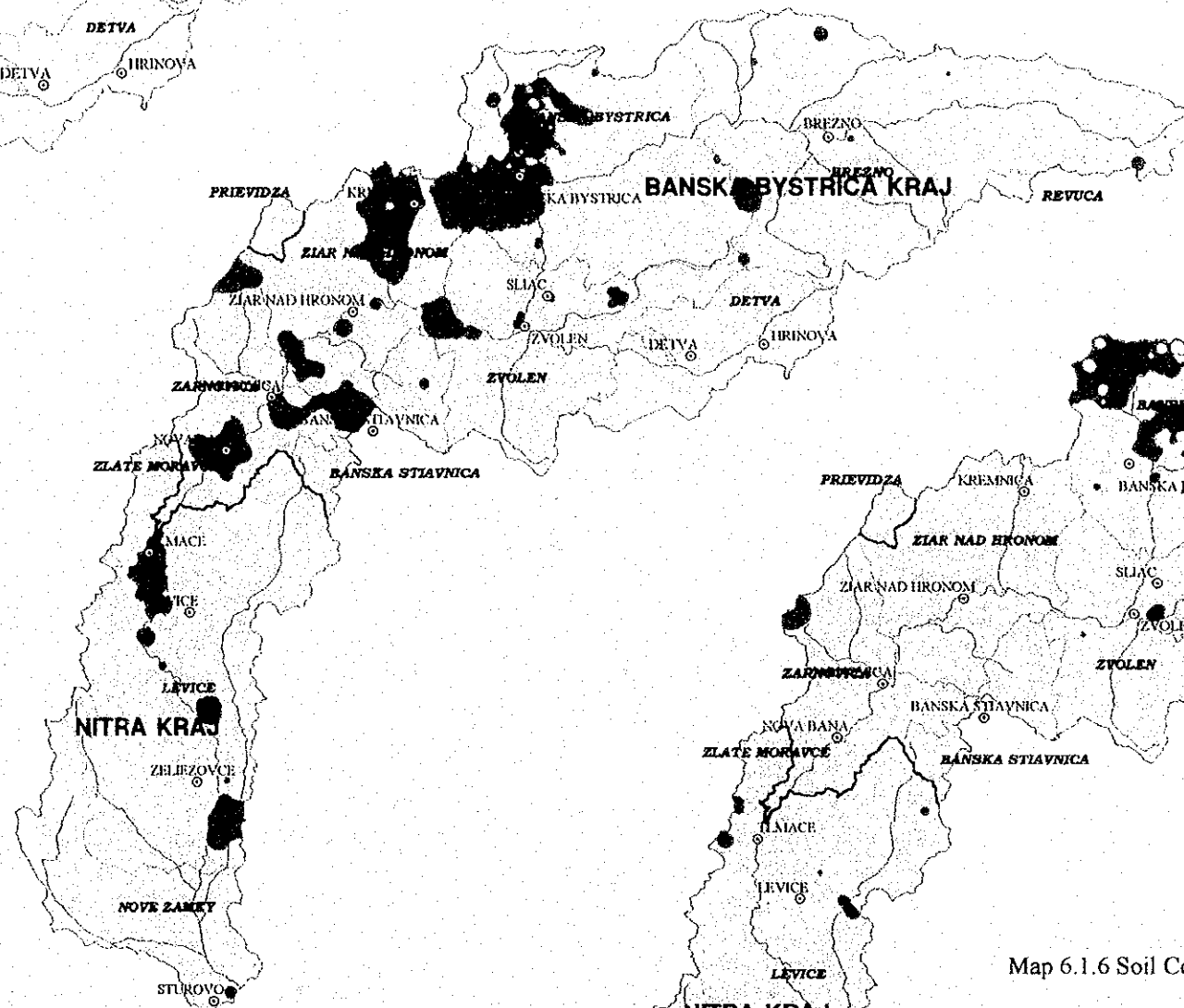


Map 6.1.3 Soil Contamination Evaluation Map (Cr)

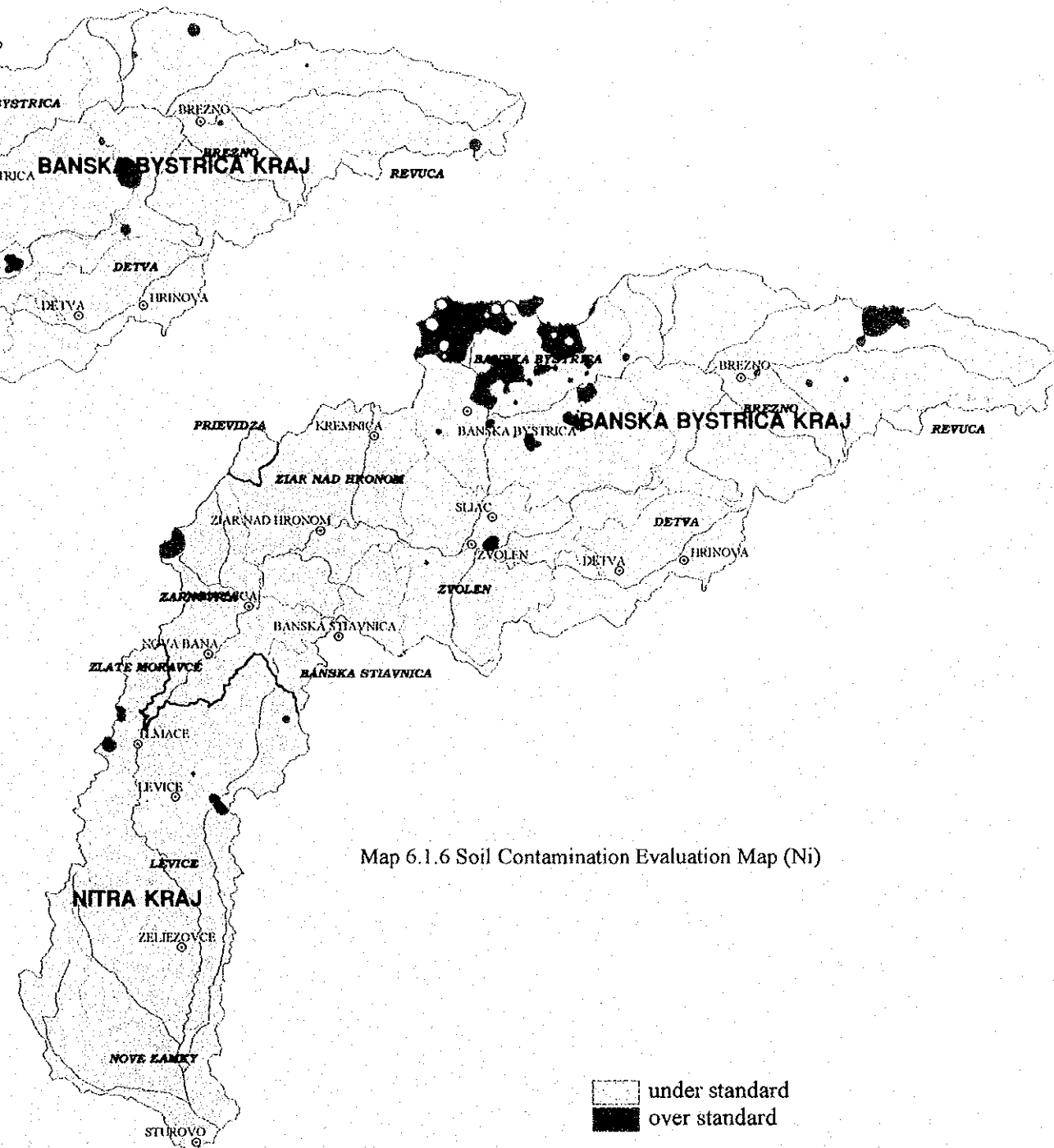




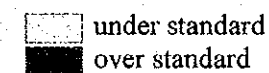
Map 6.1.4 Soil Contamination Evaluation Map (Cu)

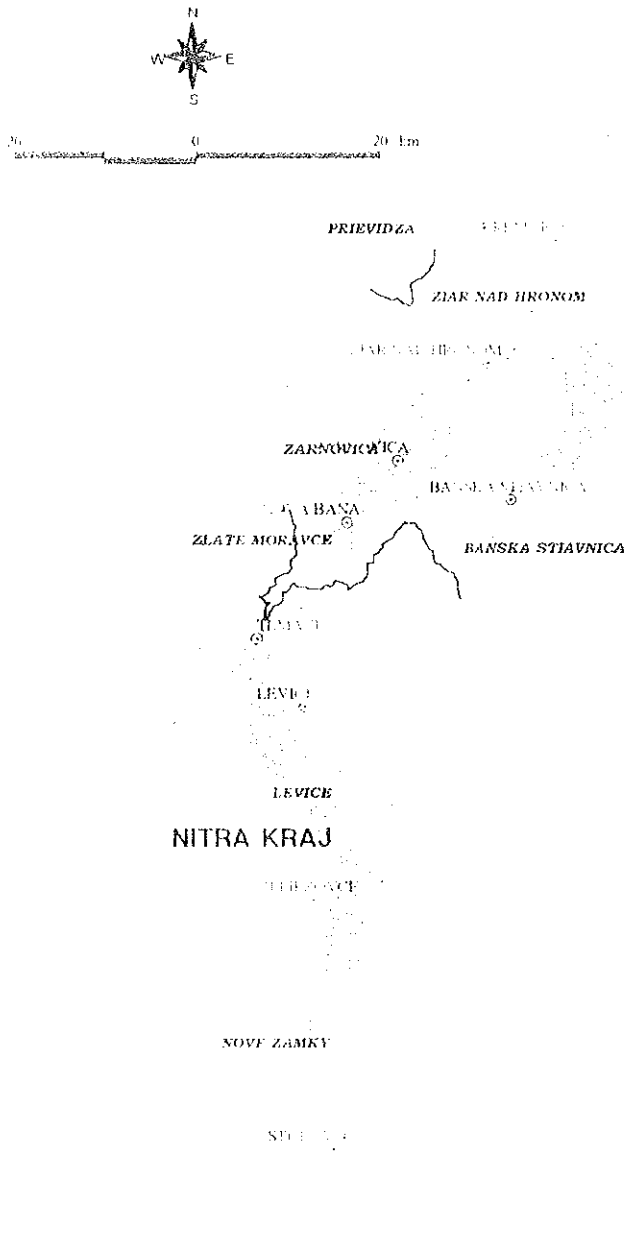


Map 6.1.5 Soil Contamination Evaluation Map (Hg)

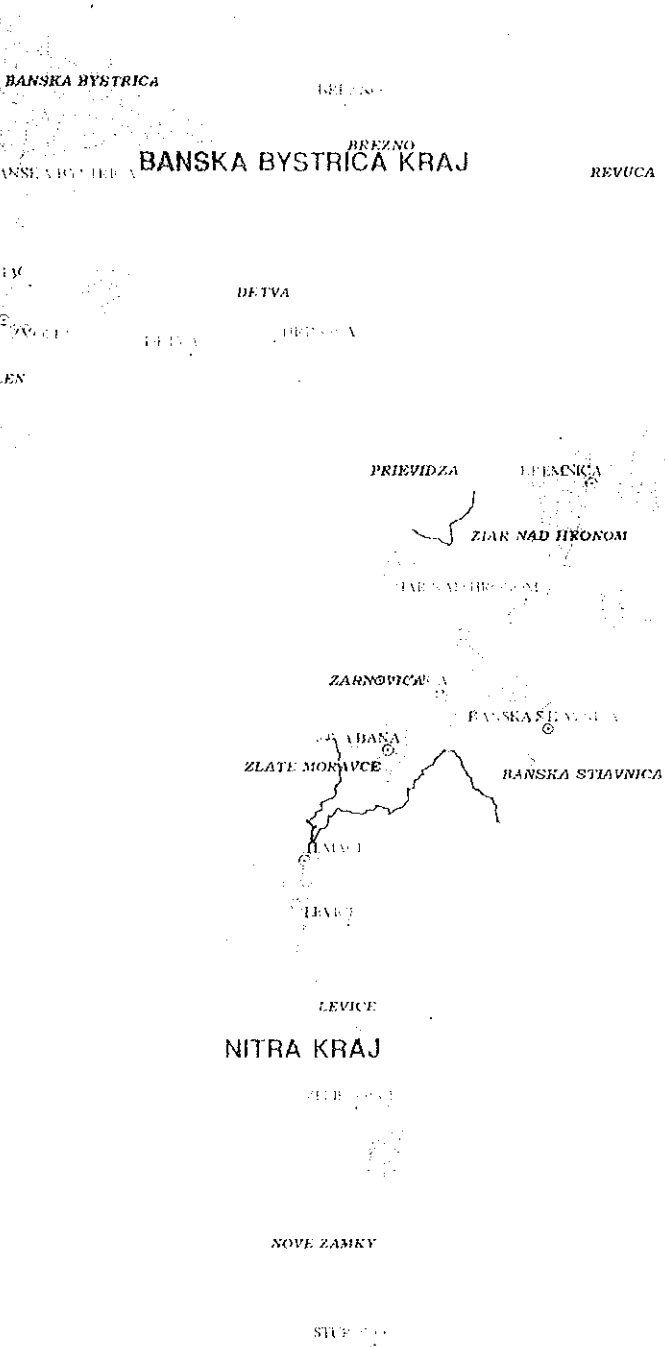


Map 6.1.6 Soil Contamination Evaluation Map (Ni)

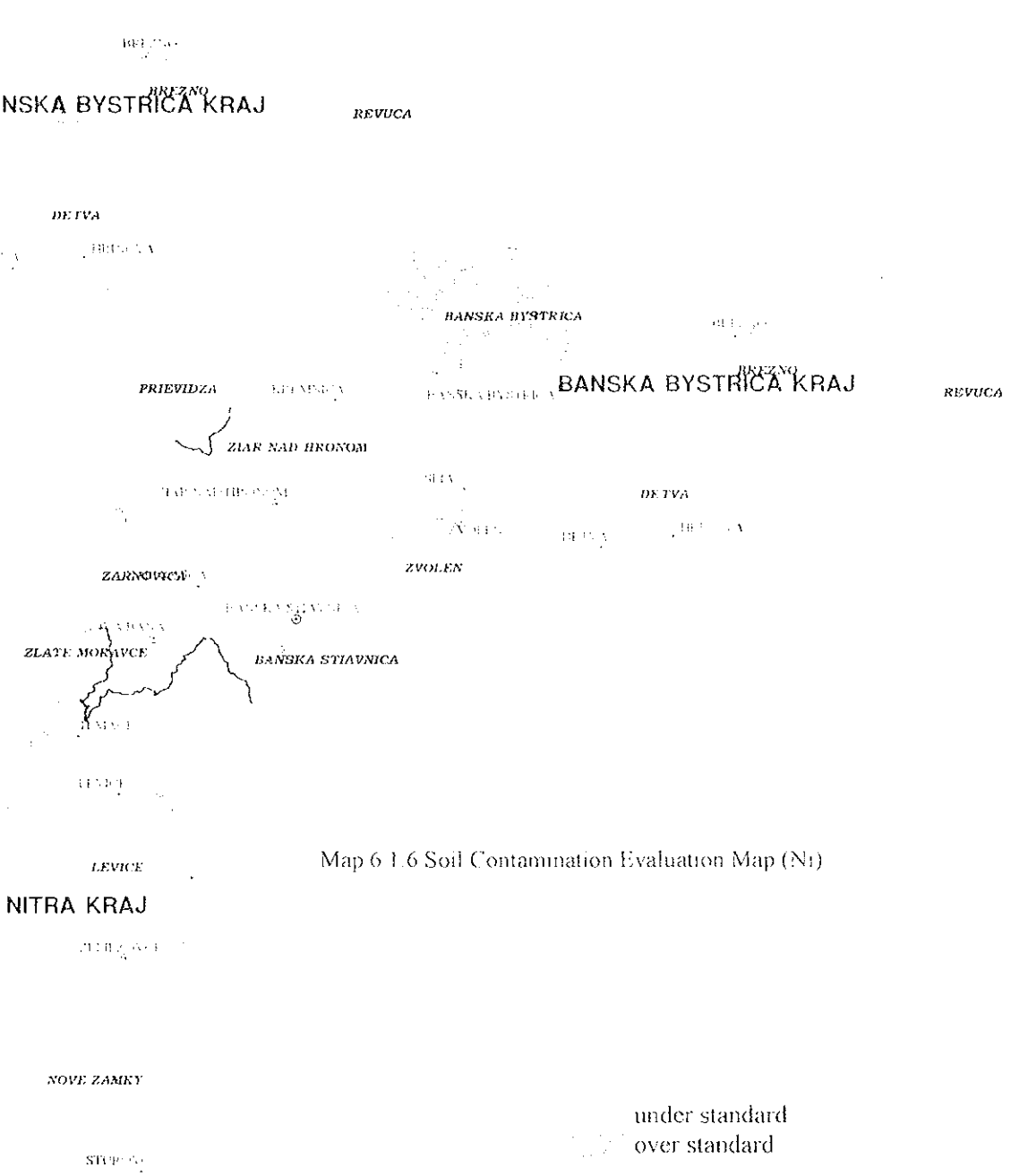




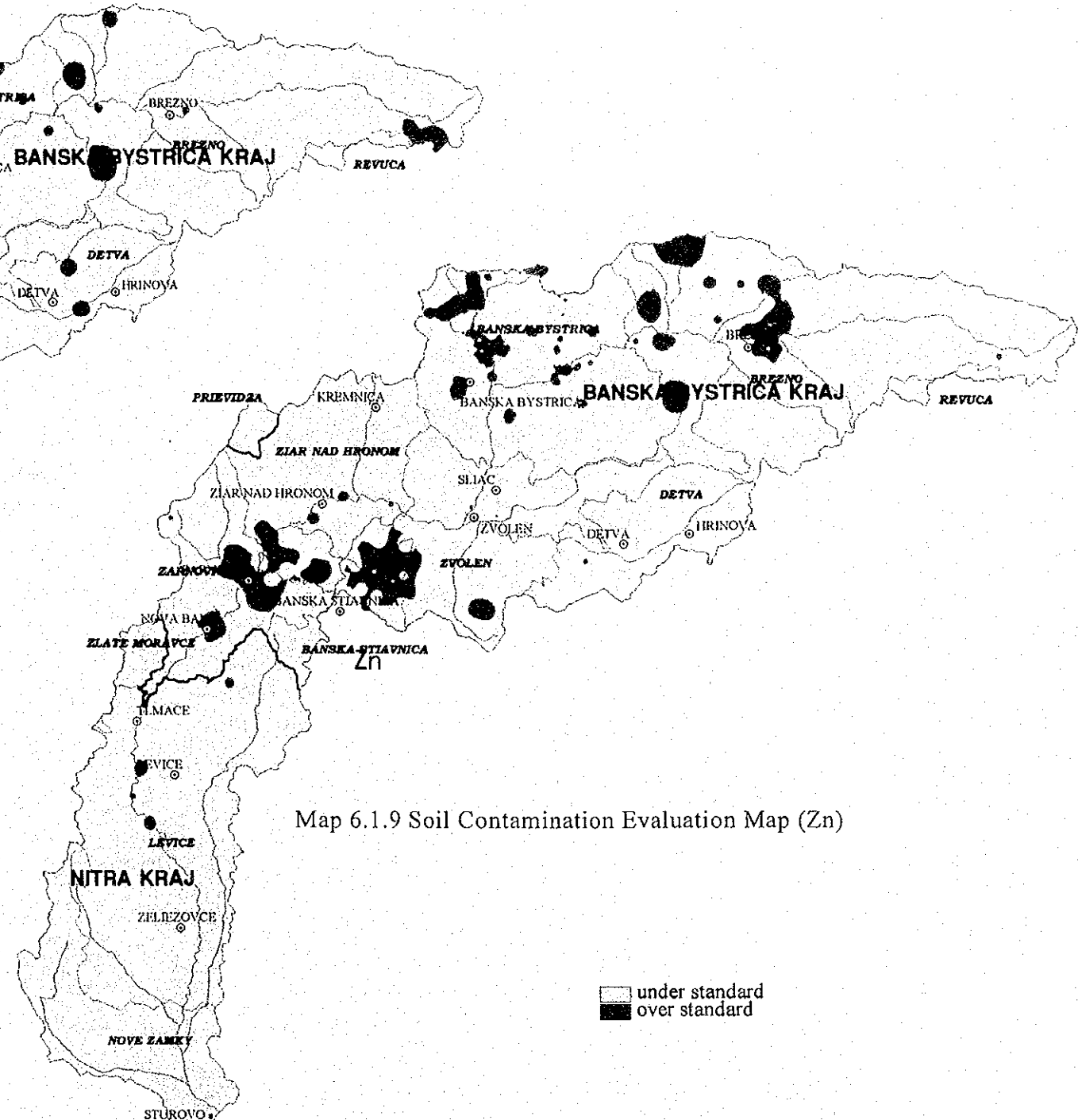
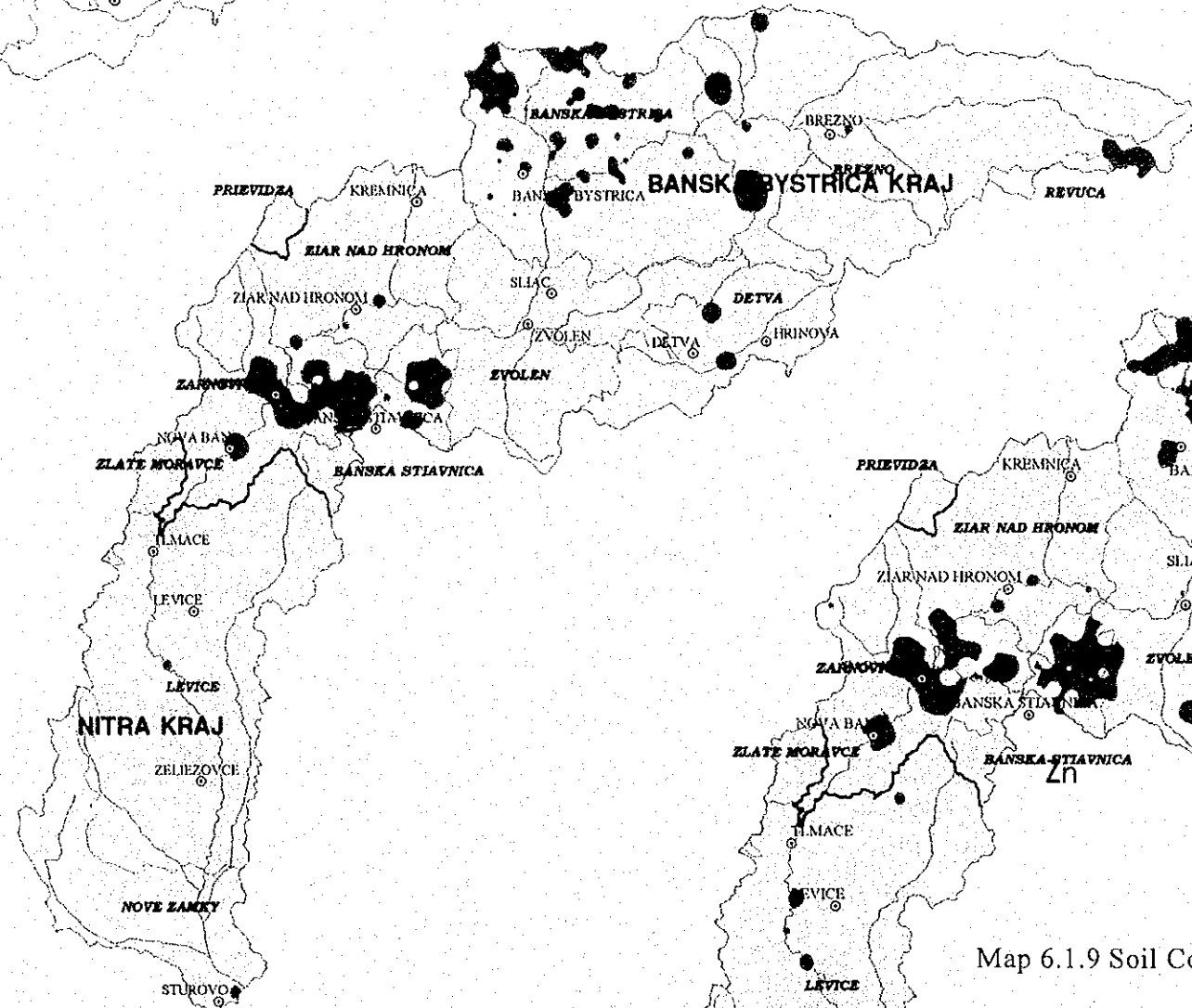
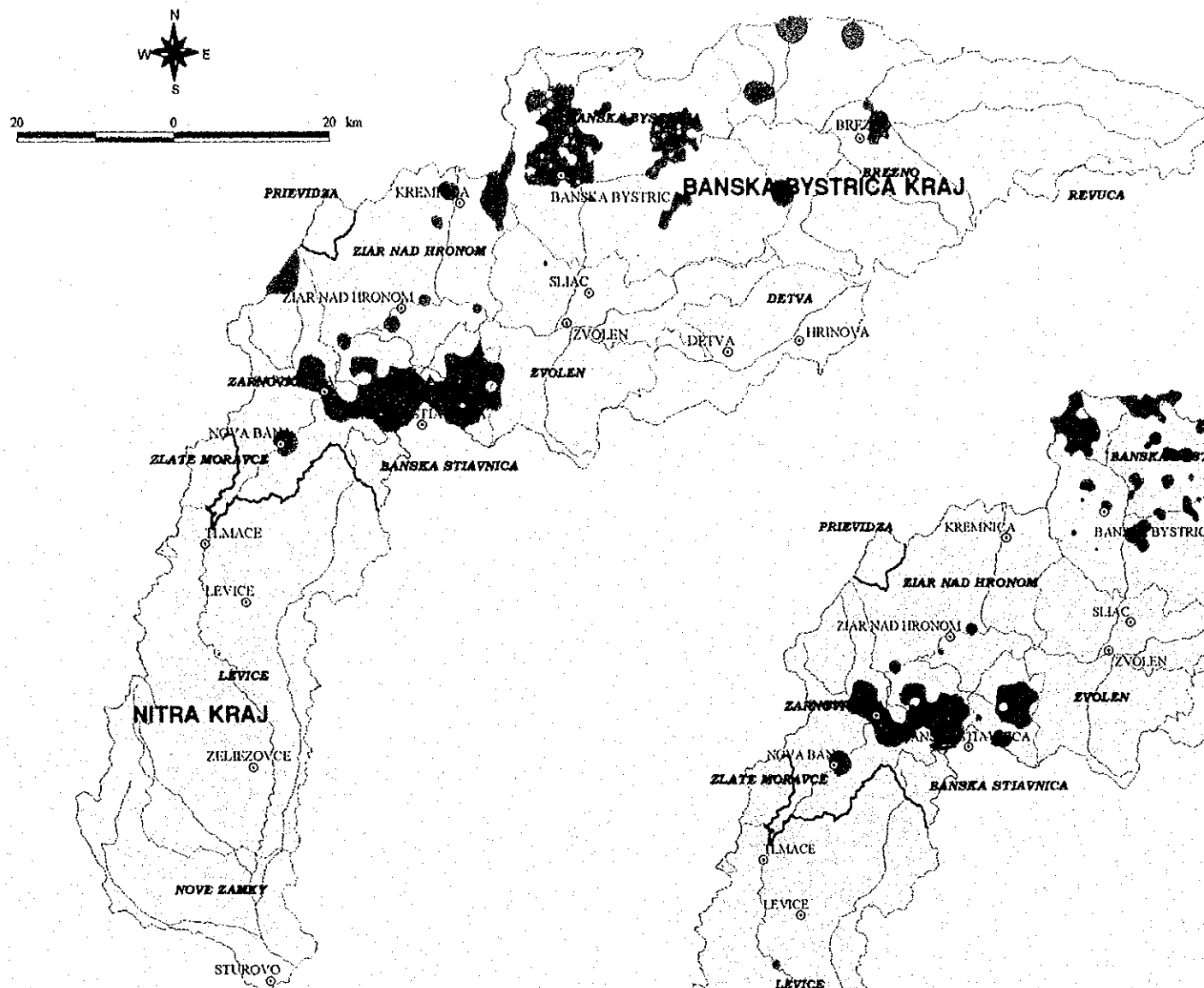
Map 6.1.4 Soil Contamination Evaluation Map (Cu)



Map 6.1.5 Soil Contamination Evaluation Map (Hg)



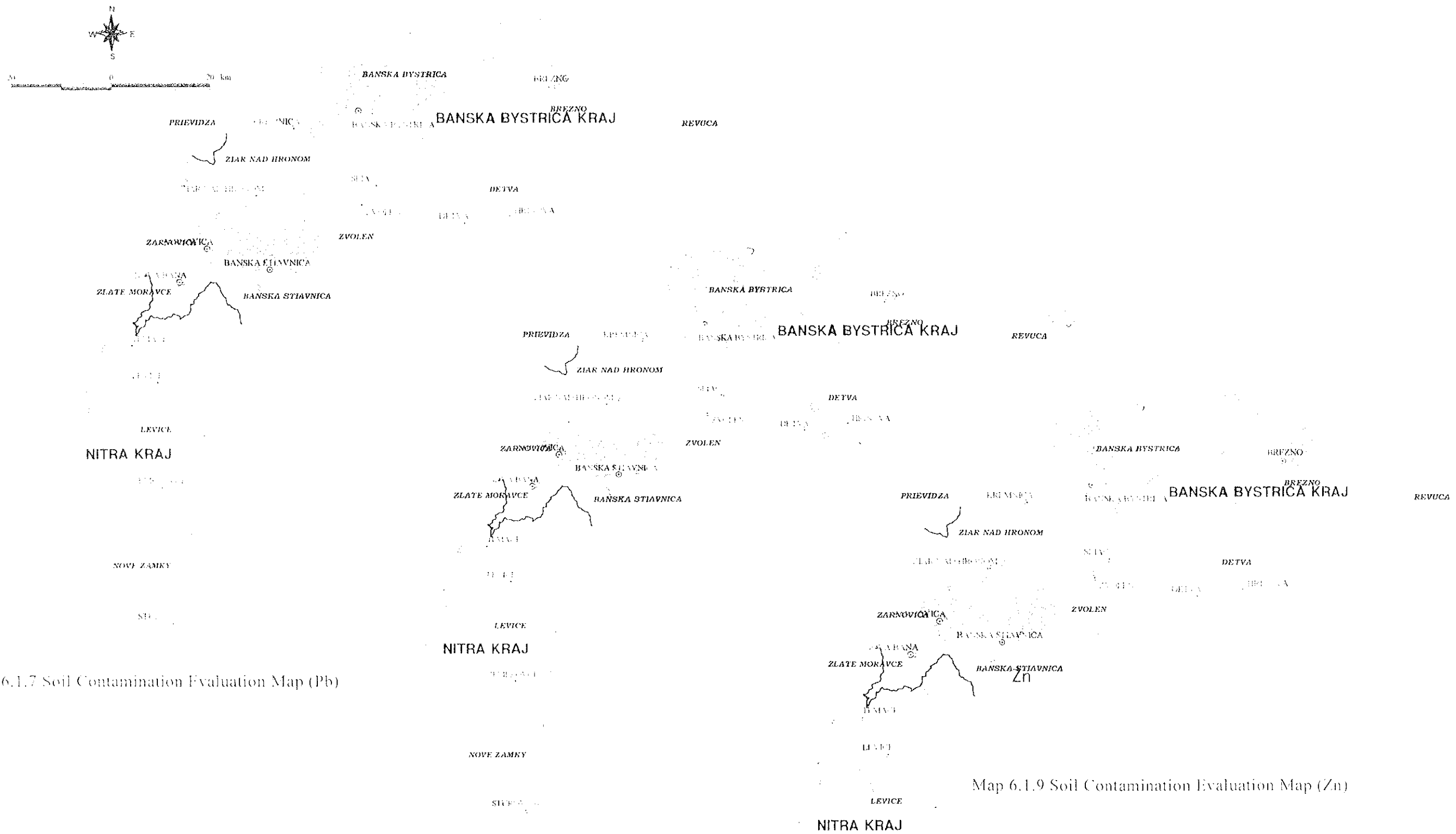
Map 6.1.6 Soil Contamination Evaluation Map (Ni)



Map 6.1.7 Soil Contamination Evaluation Map (Pb)

Map 6.1.8 Soil Contamination Map (Se)

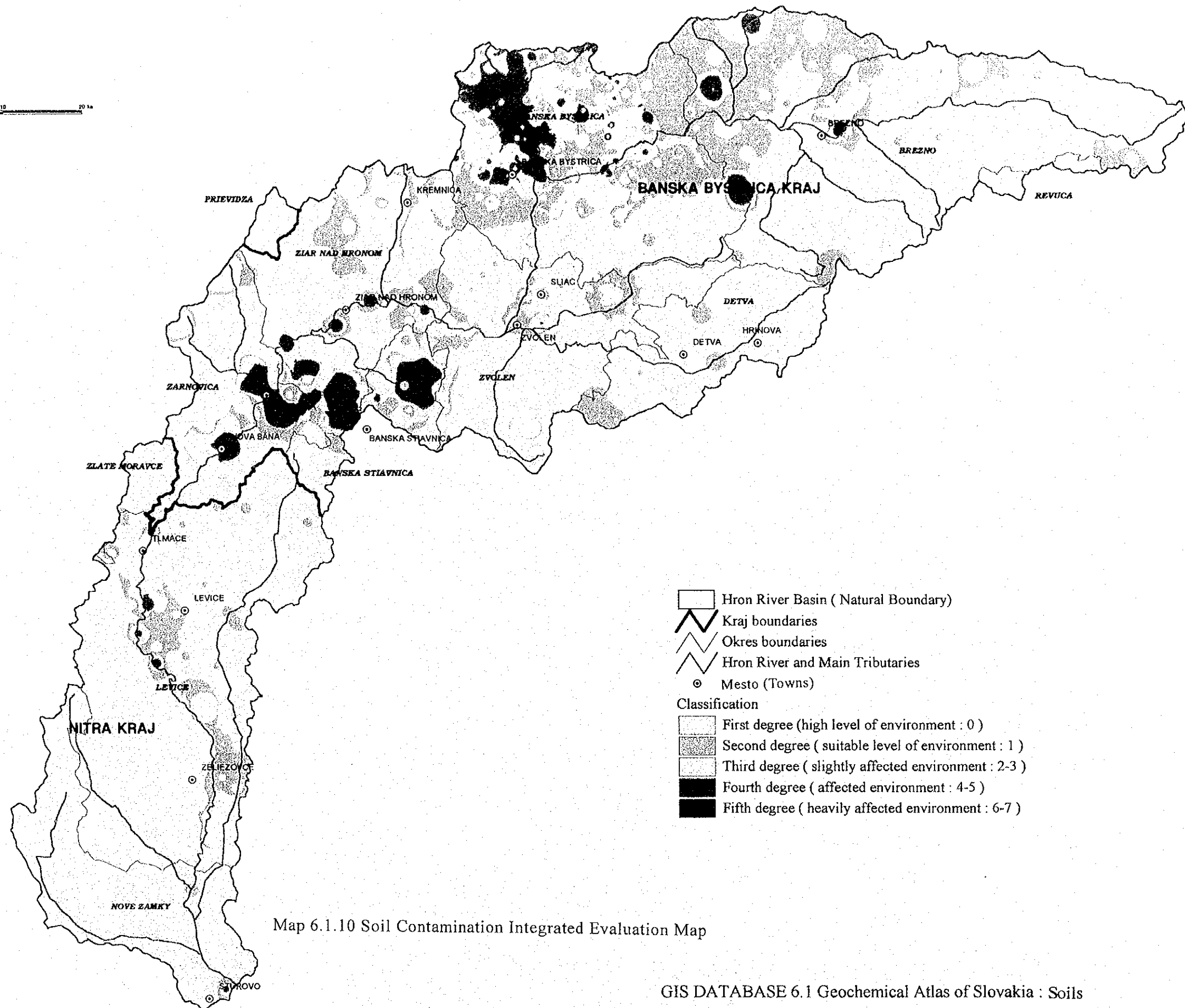
Map 6.1.9 Soil Contamination Evaluation Map (Zn)



Map 6.1.7 Soil Contamination Evaluation Map (Pb)

Map 6.1.8 Soil Contamination Map (Se)

Map 6.1.9 Soil Contamination Evaluation Map (Zn)

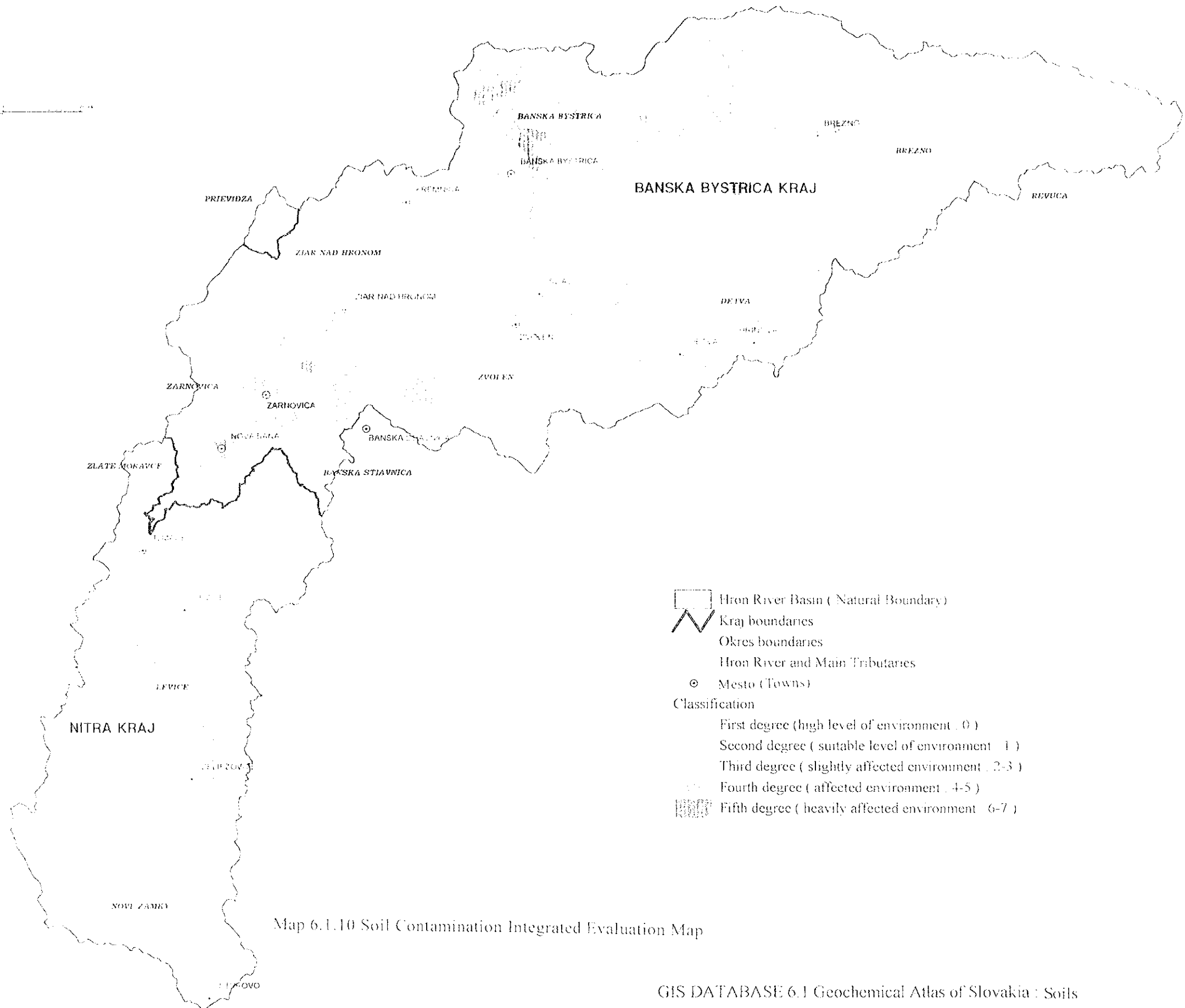
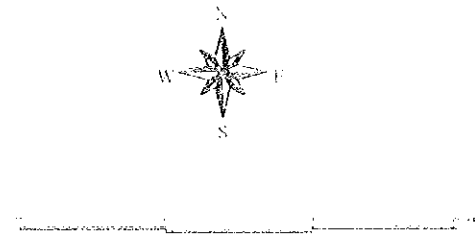


- Hron River Basin (Natural Boundary)
- Kraj boundaries
- Okres boundaries
- Hron River and Main Tributaries
- Mesto (Towns)
- Classification
 - First degree (high level of environment : 0)
 - Second degree (suitable level of environment : 1)
 - Third degree (slightly affected environment : 2-3)
 - Fourth degree (affected environment : 4-5)
 - Fifth degree (heavily affected environment : 6-7)

Map 6.1.10 Soil Contamination Integrated Evaluation Map

GIS DATABASE 6.1 Geochemical Atlas of Slovakia : Soils

Data Source : VUPOP, Map prepared by JICA Study Team

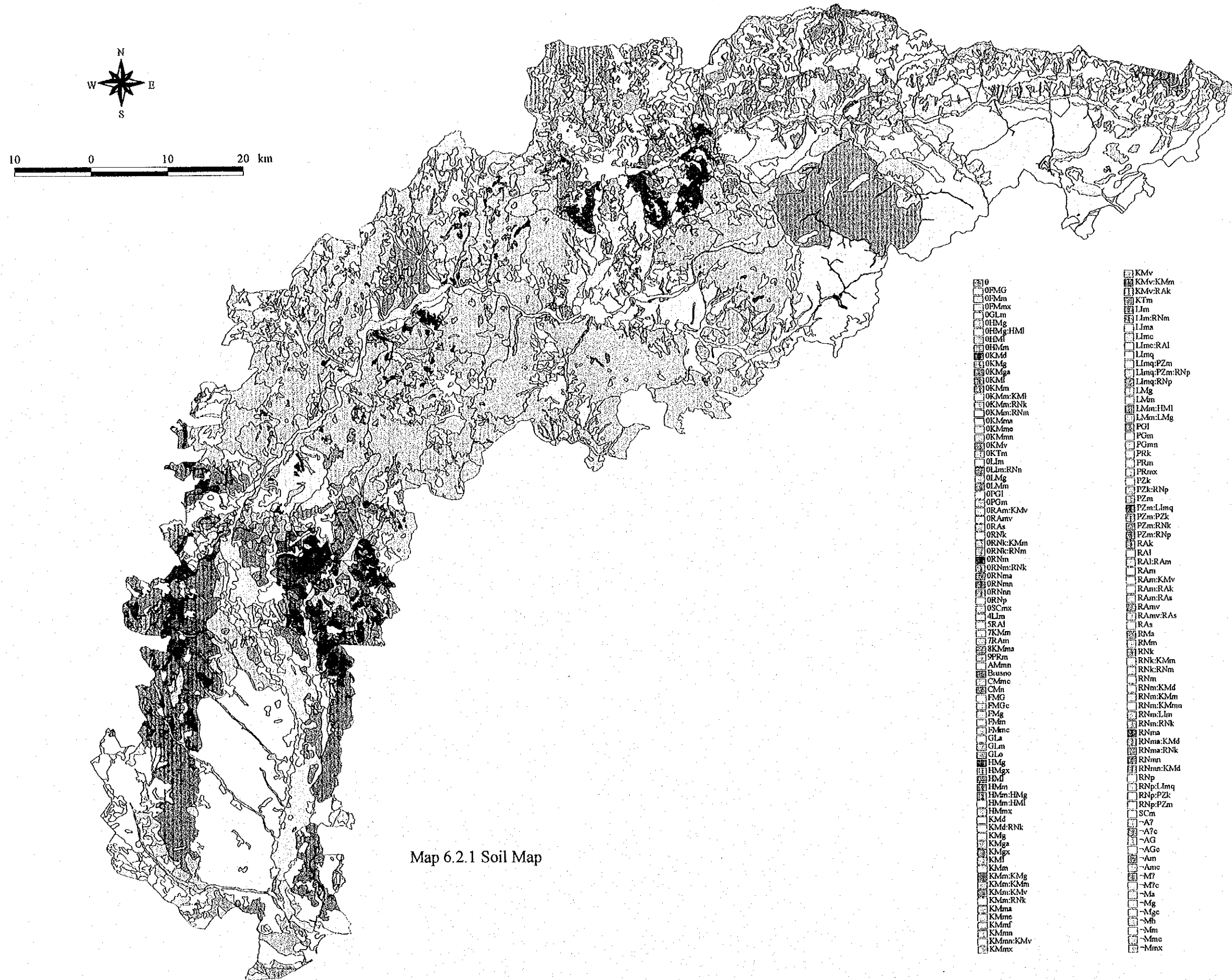


- Hron River Basin (Natural Boundary)
- Kraj boundaries
- Okres boundaries
- Hron River and Main Tributaries
- Mesto (Towns)
- Classification
 - First degree (high level of environment : 0)
 - Second degree (suitable level of environment : 1)
 - Third degree (slightly affected environment : 2-3)
 - Fourth degree (affected environment : 4-5)
 - Fifth degree (heavily affected environment : 6-7)

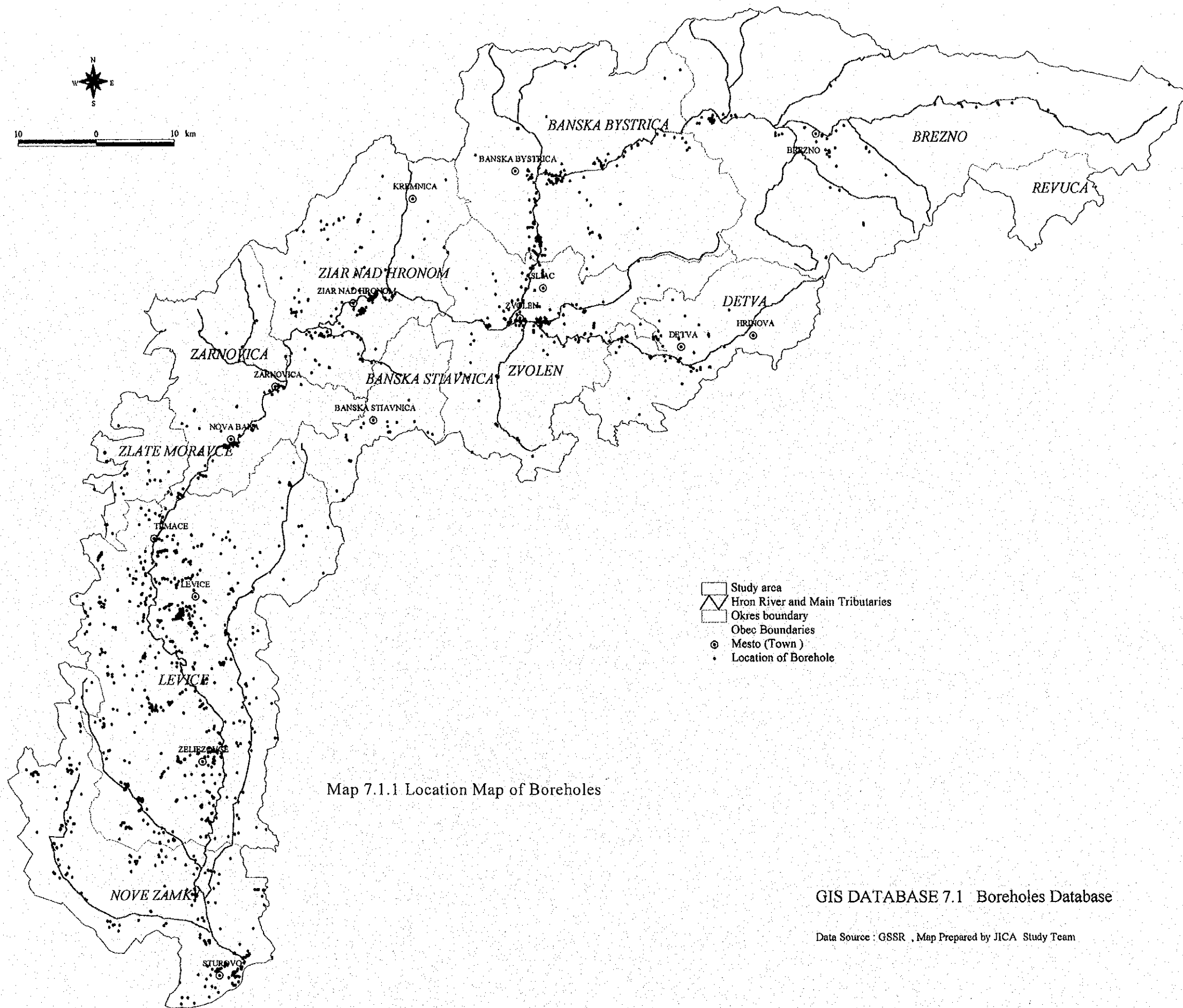
Map 6.1.10 Soil Contamination Integrated Evaluation Map

GIS DATABASE 6.1 Geochemical Atlas of Slovakia : Soils

Data Source : VÚGOPP, Map prepared by JICA Study Team



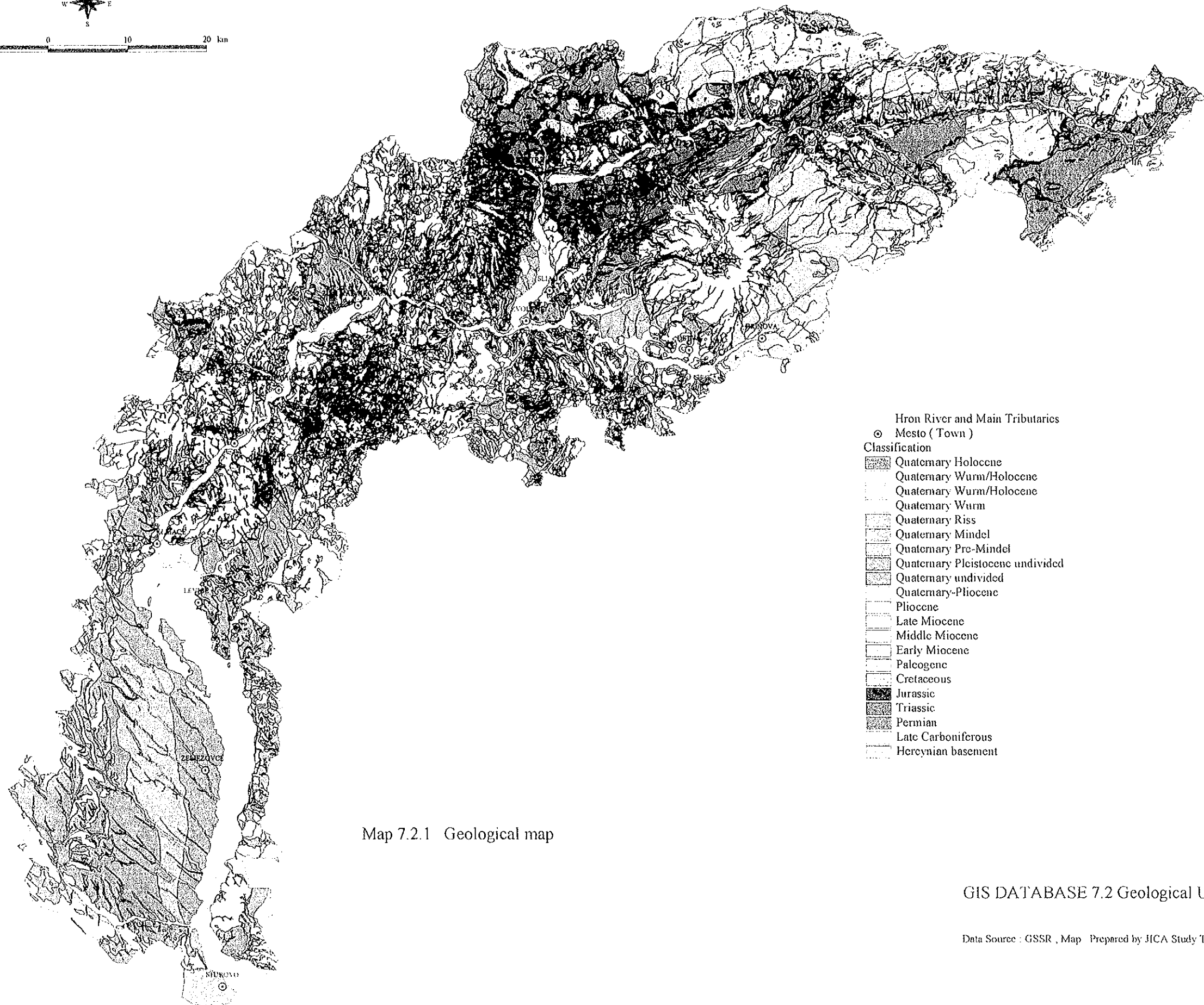
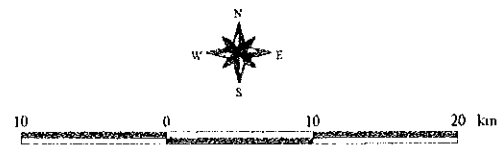
Map 6.2.1 Soil Map



Map 7.1.1 Location Map of Boreholes

GIS DATABASE 7.1 Boreholes Database

Data Source : GSSR , Map Prepared by JICA Study Team

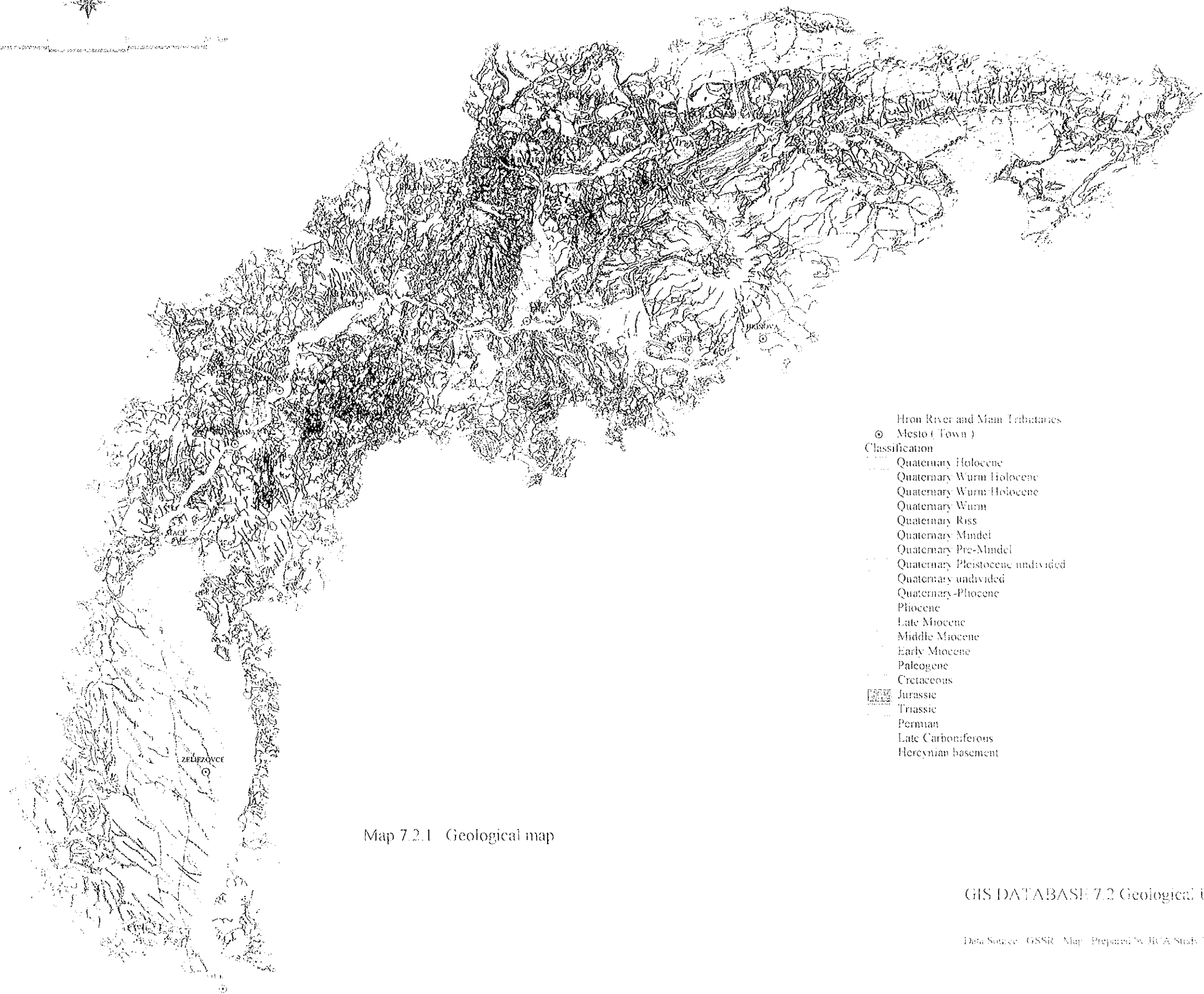


- Hron River and Main Tributaries
- Mesto (Town)
- Classification**
- ▨ Quaternary Holocene
- ▨ Quaternary Wurm/Holocene
- ▨ Quaternary Wurm/Holocene
- ▨ Quaternary Wurm
- ▨ Quaternary Riss
- ▨ Quaternary Mindel
- ▨ Quaternary Pre-Mindel
- ▨ Quaternary Pleistocene undivided
- ▨ Quaternary undivided
- ▨ Quaternary-Pliocene
- ▨ Pliocene
- ▨ Late Miocene
- ▨ Middle Miocene
- ▨ Early Miocene
- ▨ Paleogene
- ▨ Cretaceous
- ▨ Jurassic
- ▨ Triassic
- ▨ Permian
- ▨ Late Carboniferous
- ▨ Hercynian basement

Map 7.2.1 Geological map

GIS DATABASE 7.2 Geological Units

Data Source : GSSR , Map Prepared by JICA Study Team

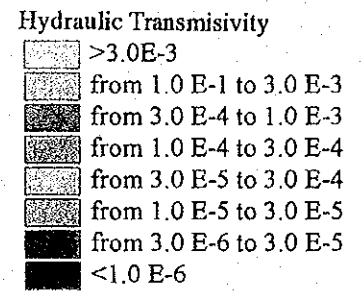
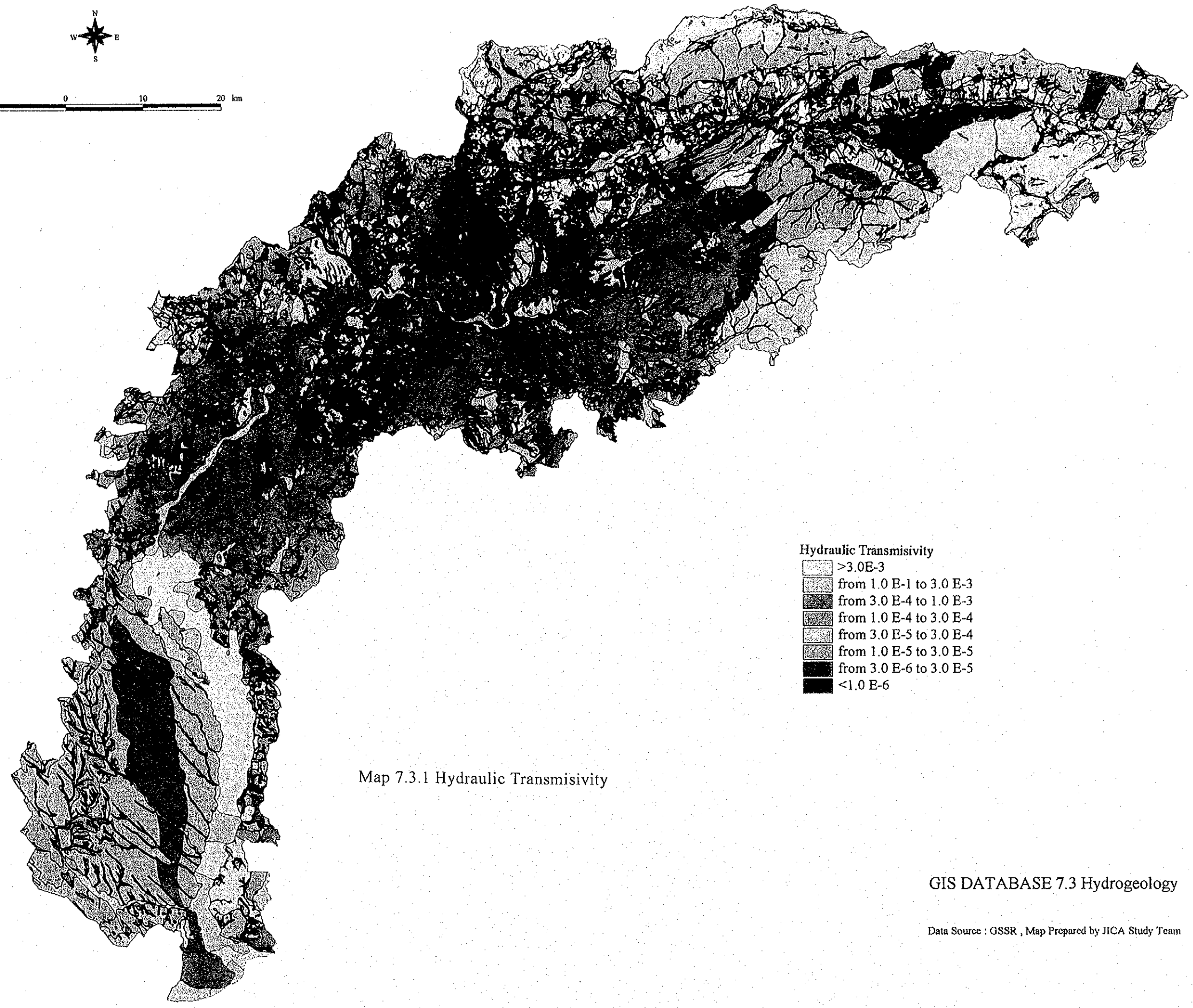
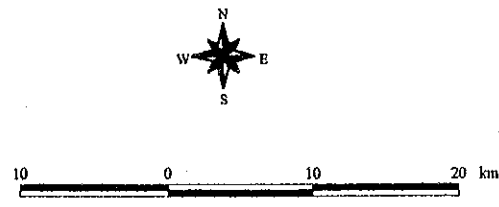


- Hron River and Main Tributaries
- ⊙ Mesto (Town)
- Classification
- Quaternary Holocene
- Quaternary Wurm Holocene
- Quaternary Wurm Holocene
- Quaternary Wurm
- Quaternary Riss
- Quaternary Mindel
- Quaternary Pre-Mindel
- Quaternary Pleistocene undivided
- Quaternary undivided
- Quaternary-Pliocene
- Pliocene
- Late Miocene
- Middle Miocene
- Early Miocene
- Paleogene
- Cretaceous
- Jurassic
- Triassic
- Permian
- Late Carboniferous
- Hercynian basement

Map 7.2.1 Geological map

GIS DATABASE 7.2 Geological Units

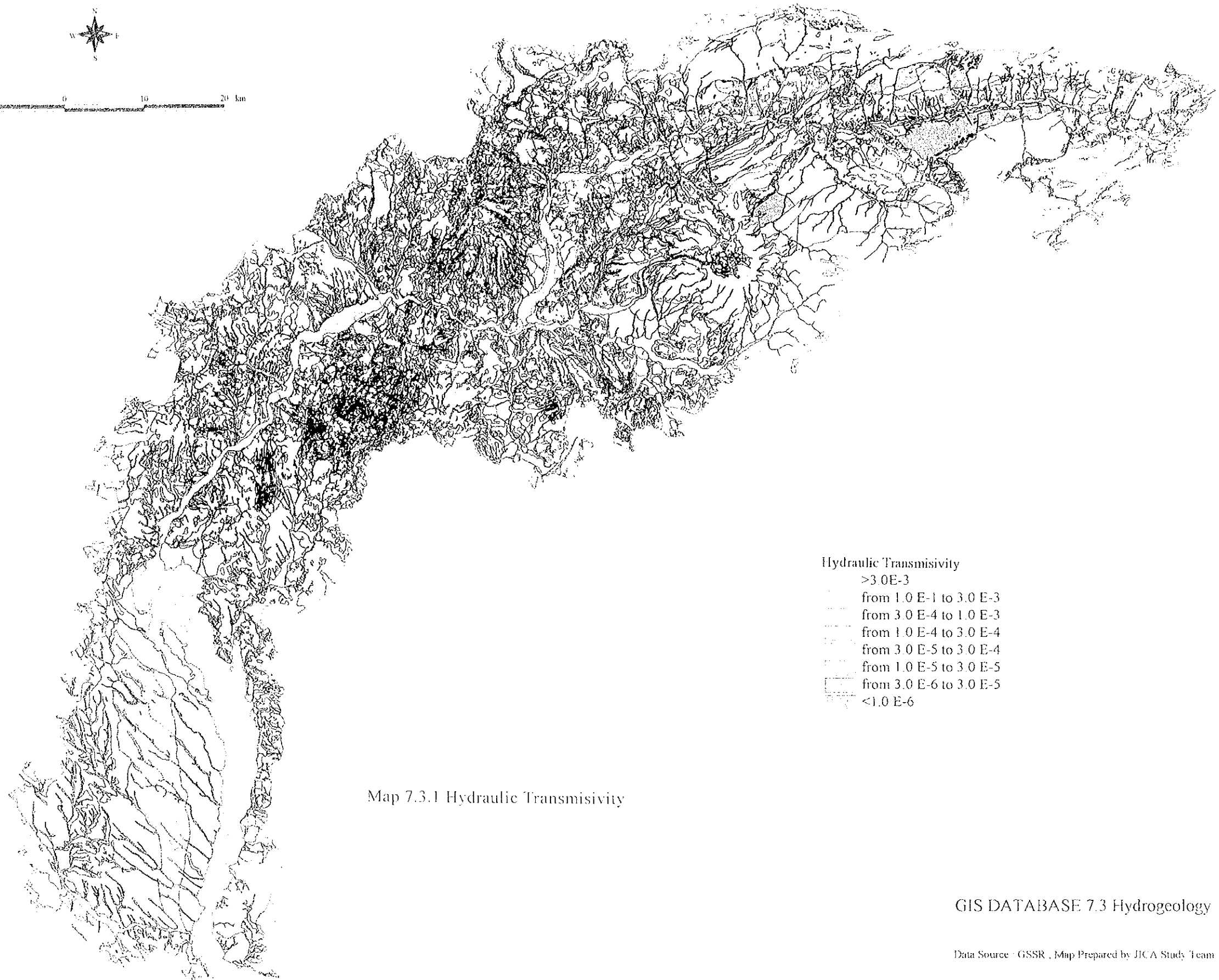
Data Source : GSSR / Map / Prepared by JICA Study Team



Map 7.3.1 Hydraulic Transmissivity

GIS DATABASE 7.3 Hydrogeology

Data Source : GSSR , Map Prepared by JICA Study Team

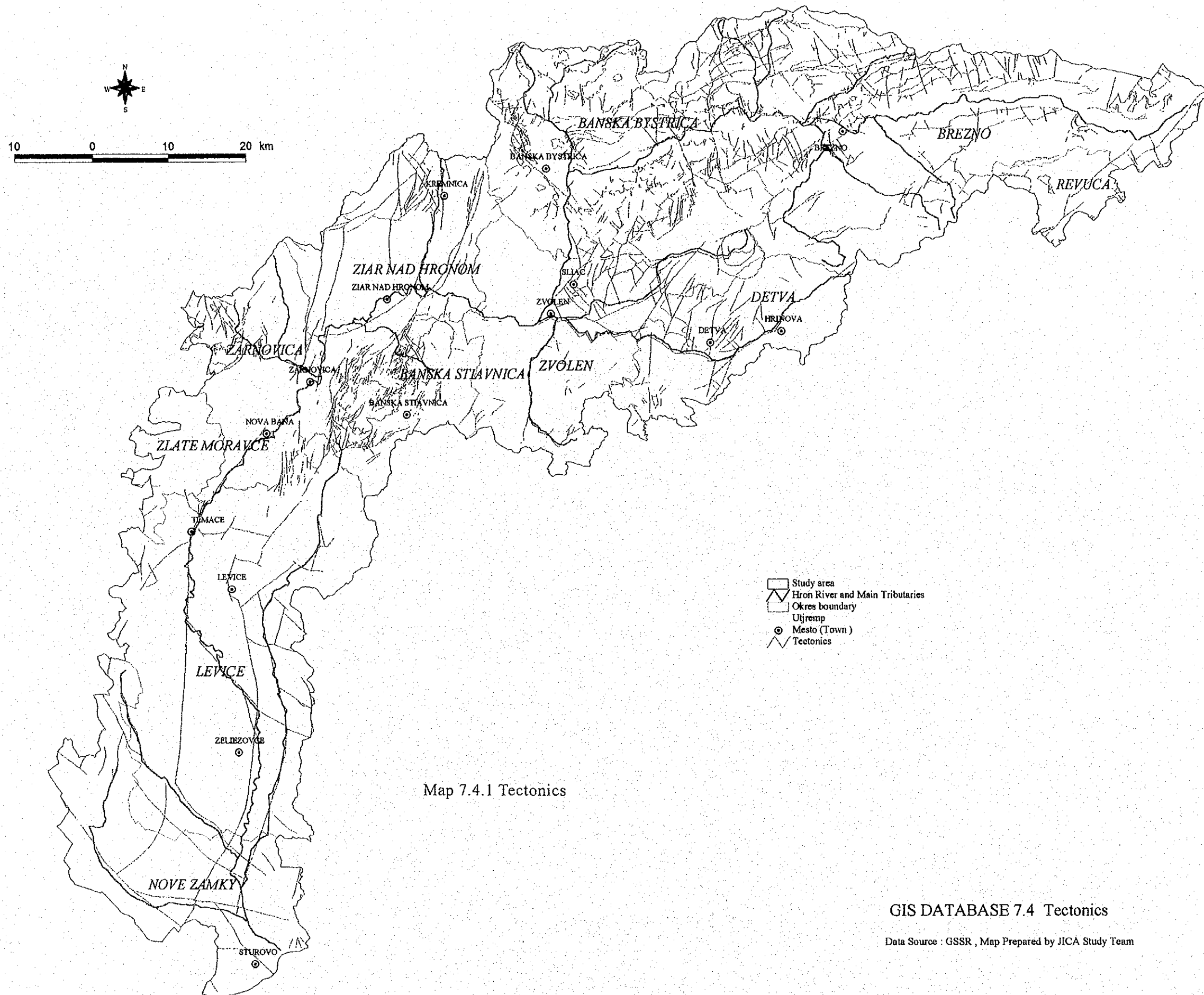


- Hydraulic Transmissivity
- >3.0E-3
 - from 1.0 E-1 to 3.0 E-3
 - from 3.0 E-4 to 1.0 E-3
 - from 1.0 E-4 to 3.0 E-4
 - from 3.0 E-5 to 3.0 E-4
 - from 1.0 E-5 to 3.0 E-5
 - from 3.0 E-6 to 3.0 E-5
 - <1.0 E-6

Map 7.3.1 Hydraulic Transmissivity

GIS DATABASE 7.3 Hydrogeology

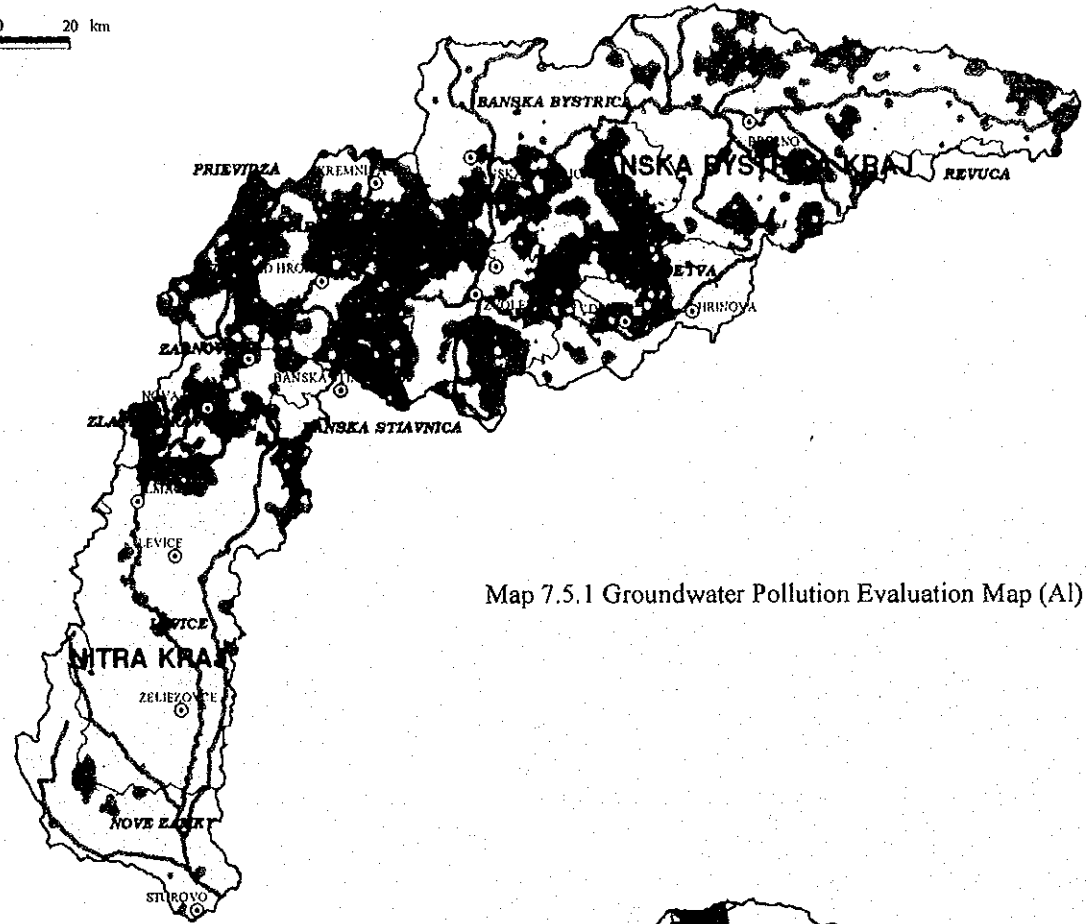
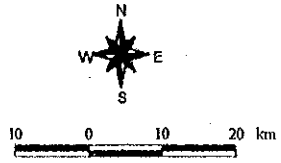
Data Source : GSSR , Map Prepared by JICA Study Team



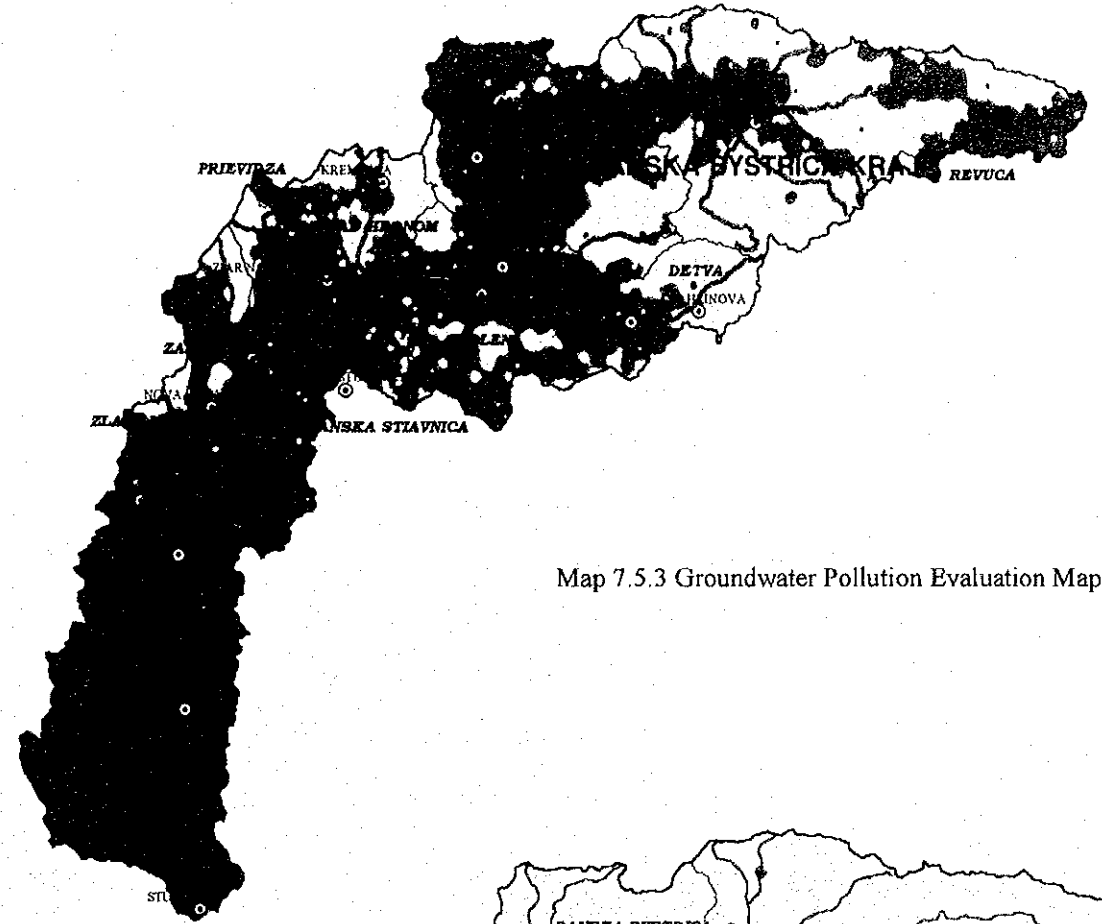
Map 7.4.1 Tectonics

GIS DATABASE 7.4 Tectonics

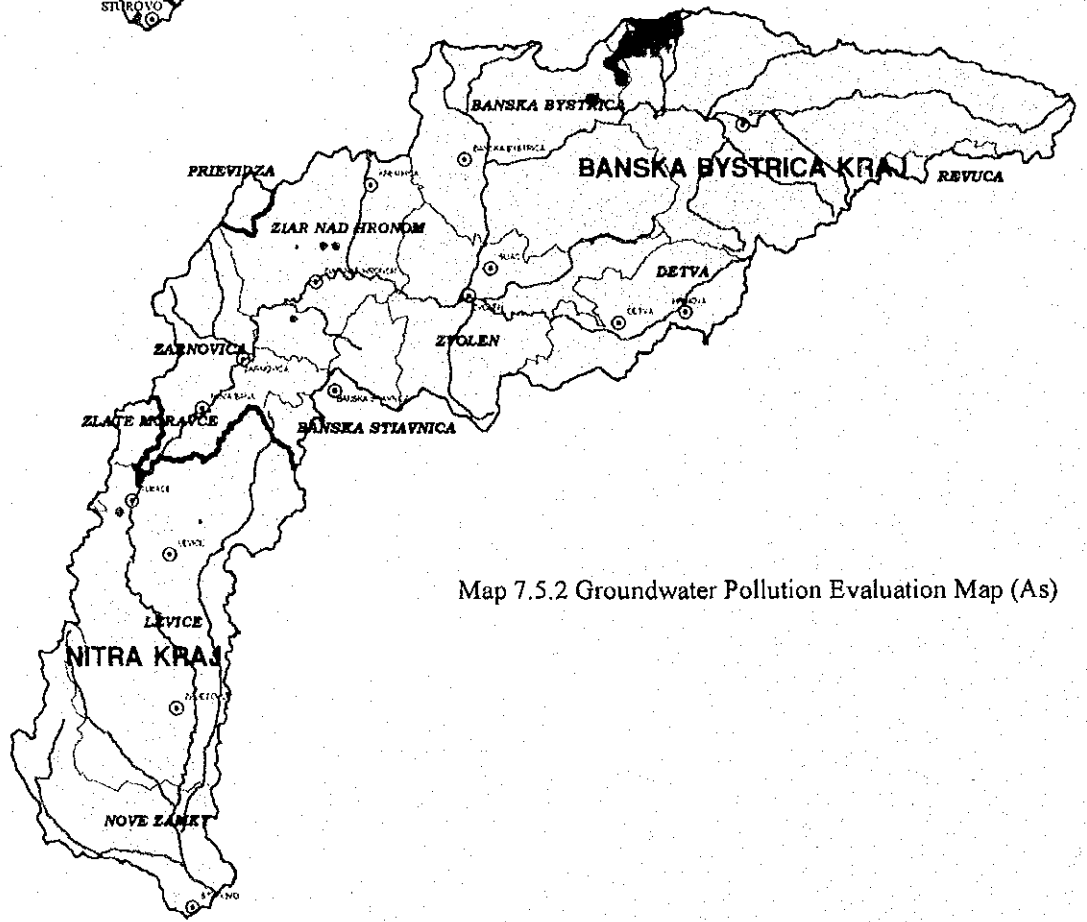
Data Source : GSSR , Map Prepared by JICA Study Team



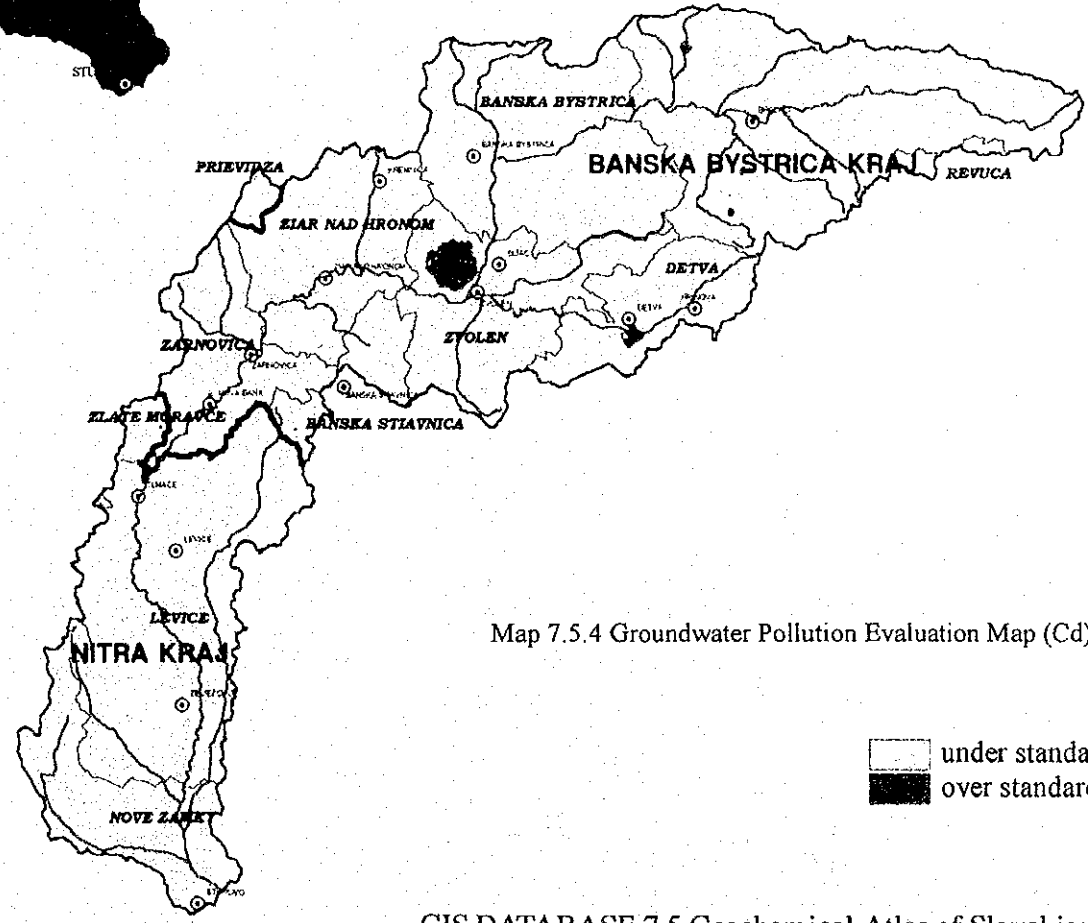
Map 7.5.1 Groundwater Pollution Evaluation Map (Al)



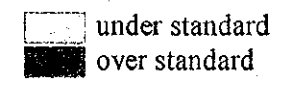
Map 7.5.3 Groundwater Pollution Evaluation Map (Ca)



Map 7.5.2 Groundwater Pollution Evaluation Map (As)



Map 7.5.4 Groundwater Pollution Evaluation Map (Cd)

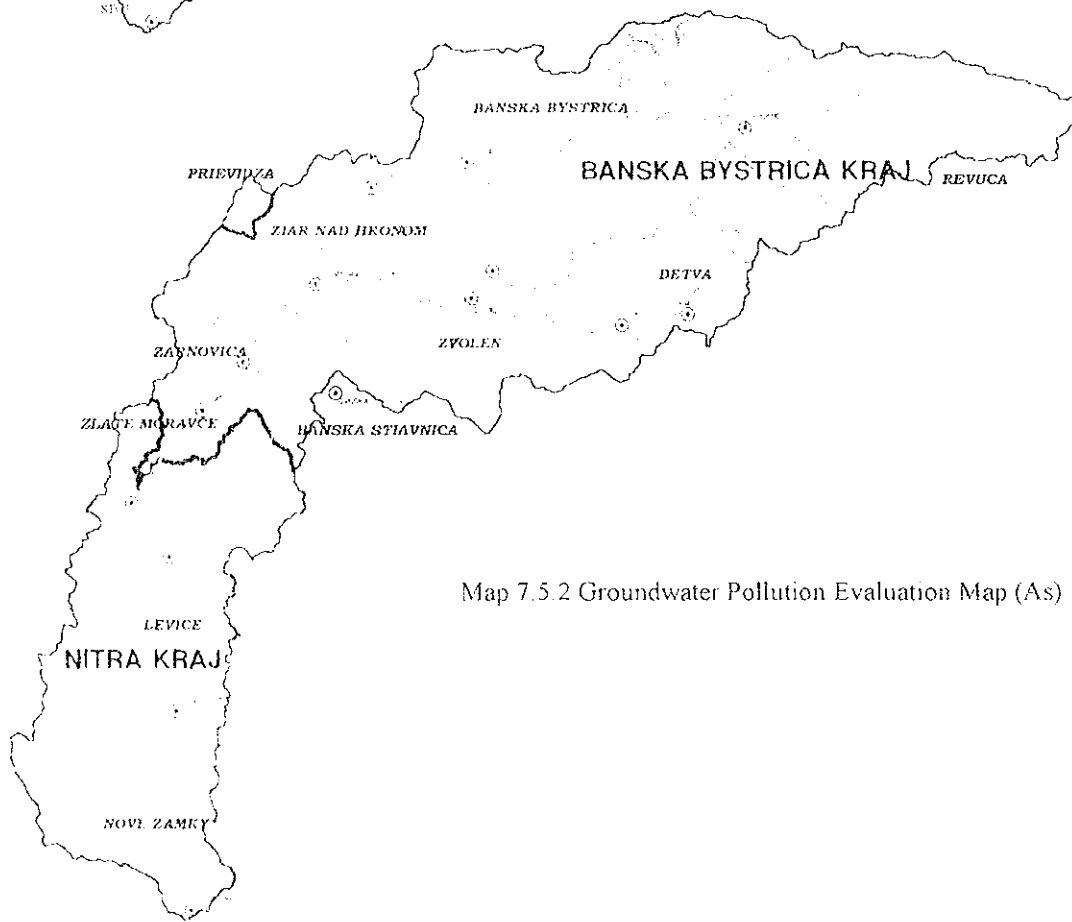




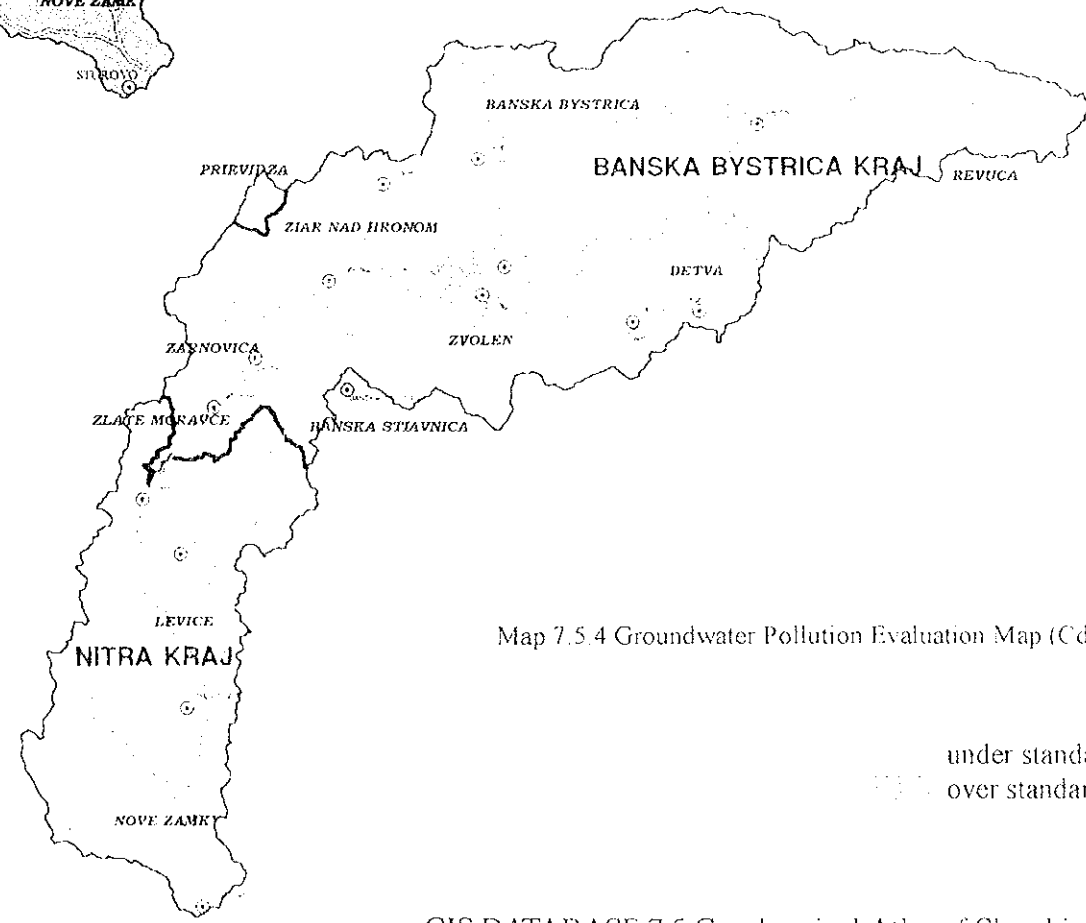
Map 7.5.1 Groundwater Pollution Evaluation Map (Al)



Map 7.5.3 Groundwater Pollution Evaluation Map (Ca)

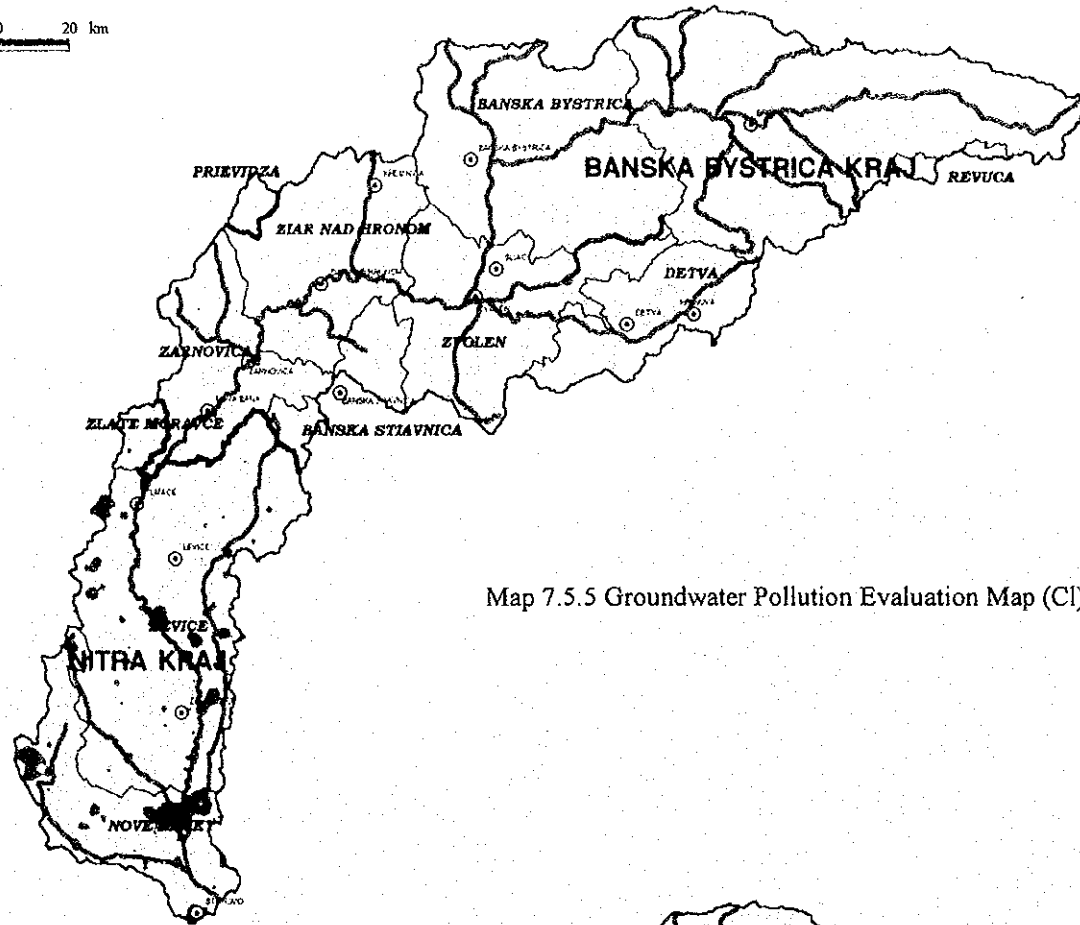
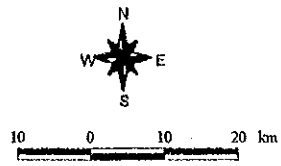


Map 7.5.2 Groundwater Pollution Evaluation Map (As)

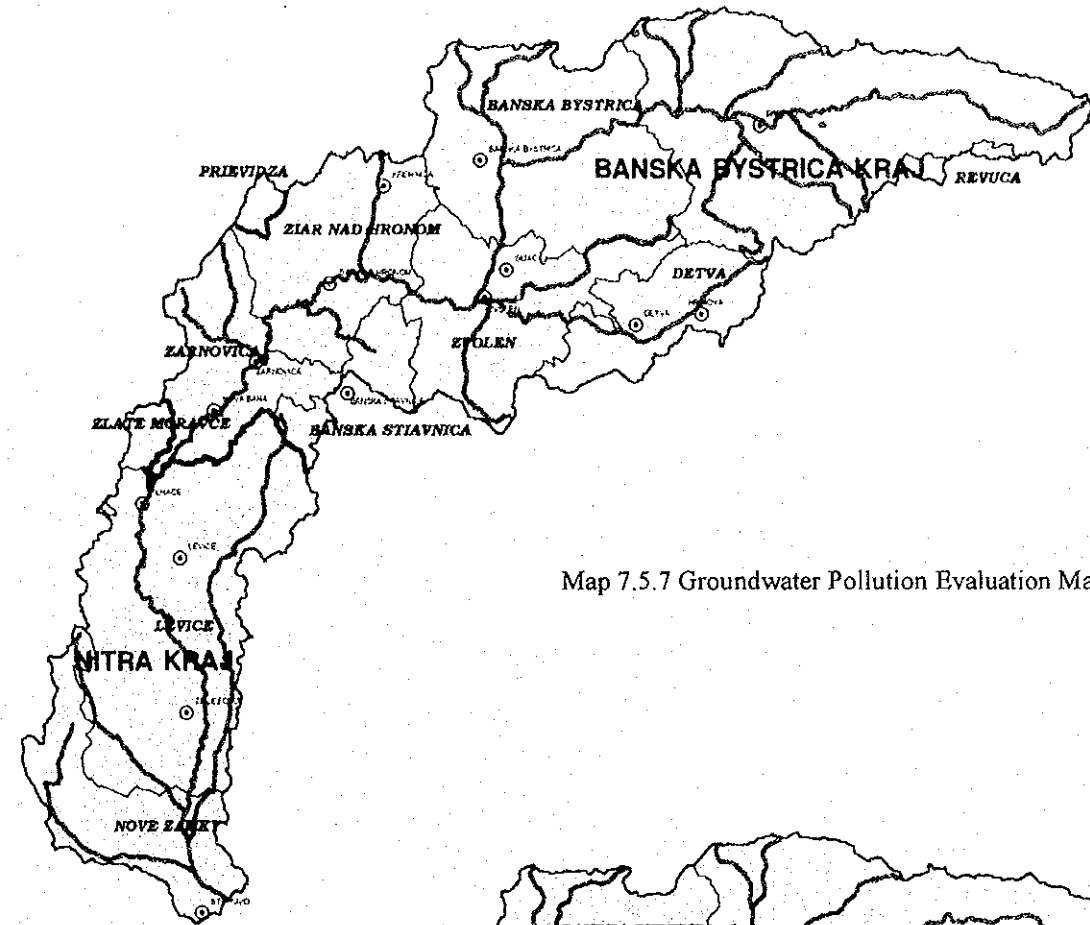


Map 7.5.4 Groundwater Pollution Evaluation Map (Cd)

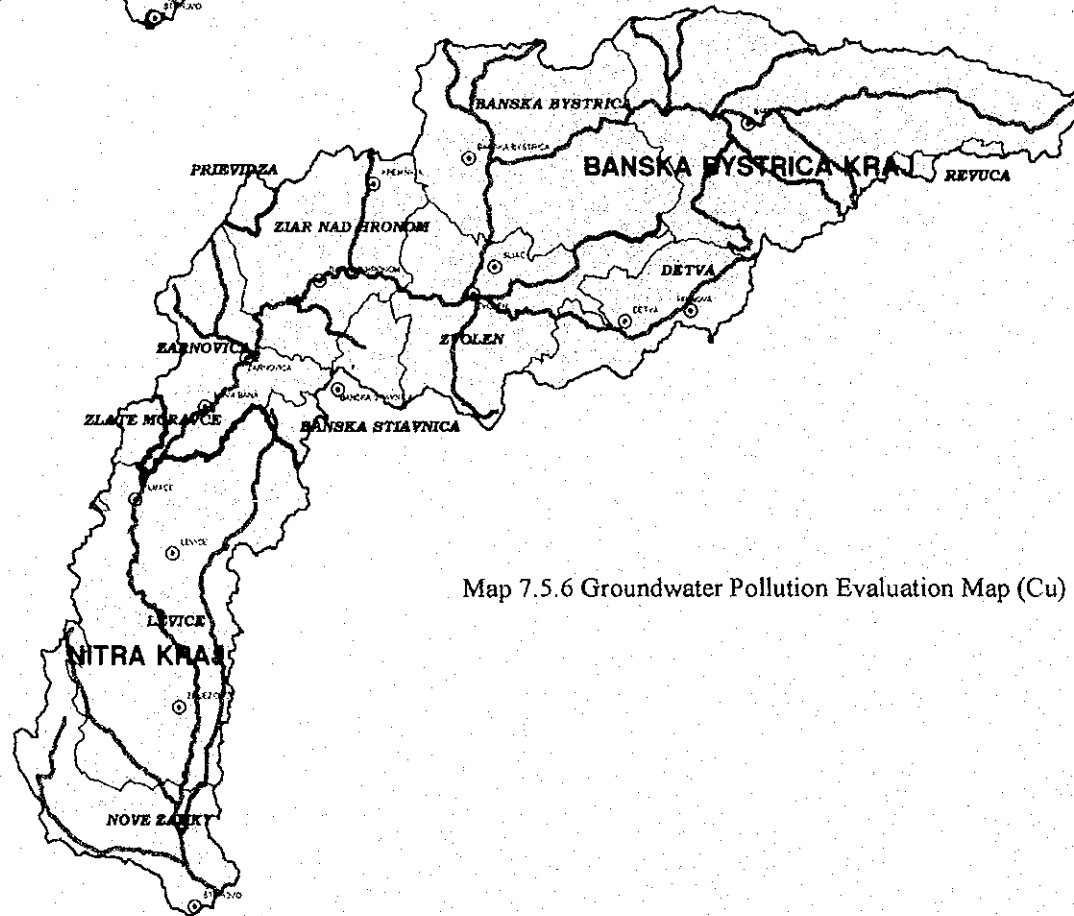
○ under standard
 ● over standard



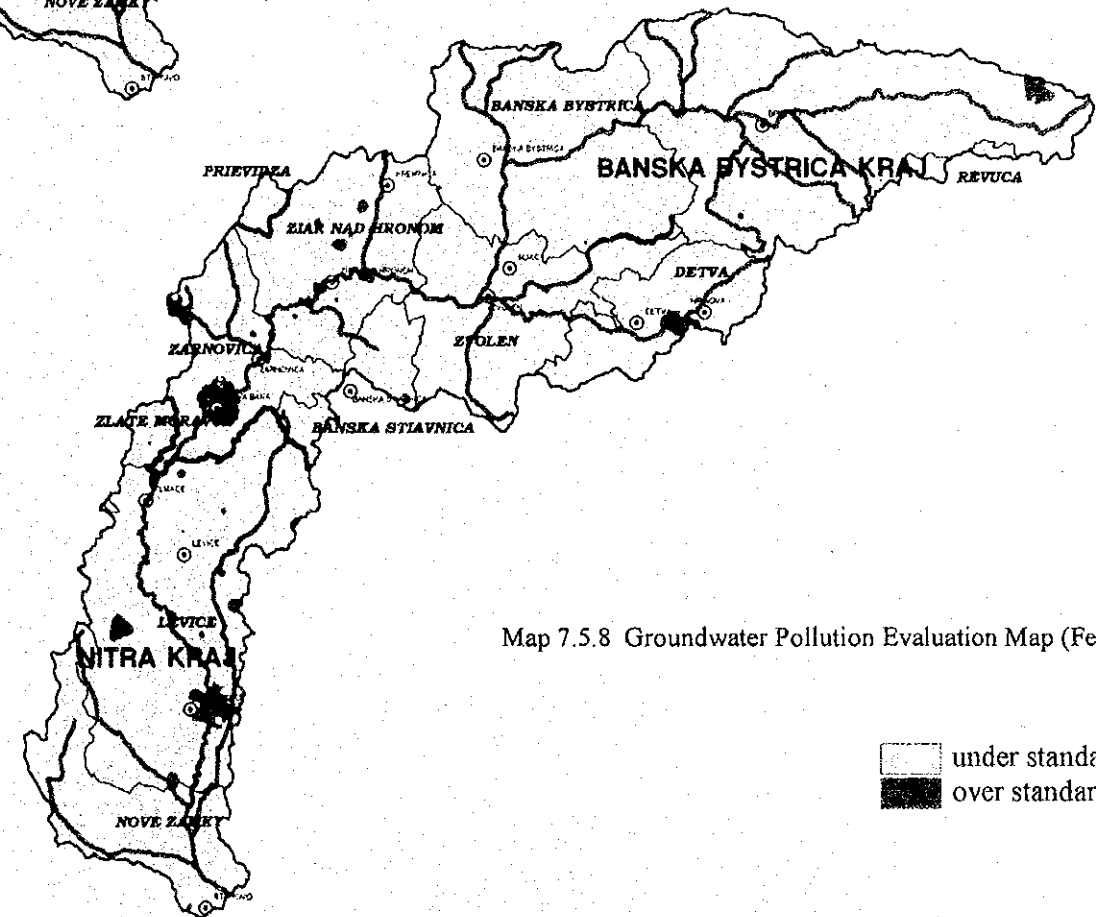
Map 7.5.5 Groundwater Pollution Evaluation Map (Cl)



Map 7.5.7 Groundwater Pollution Evaluation Map (F)

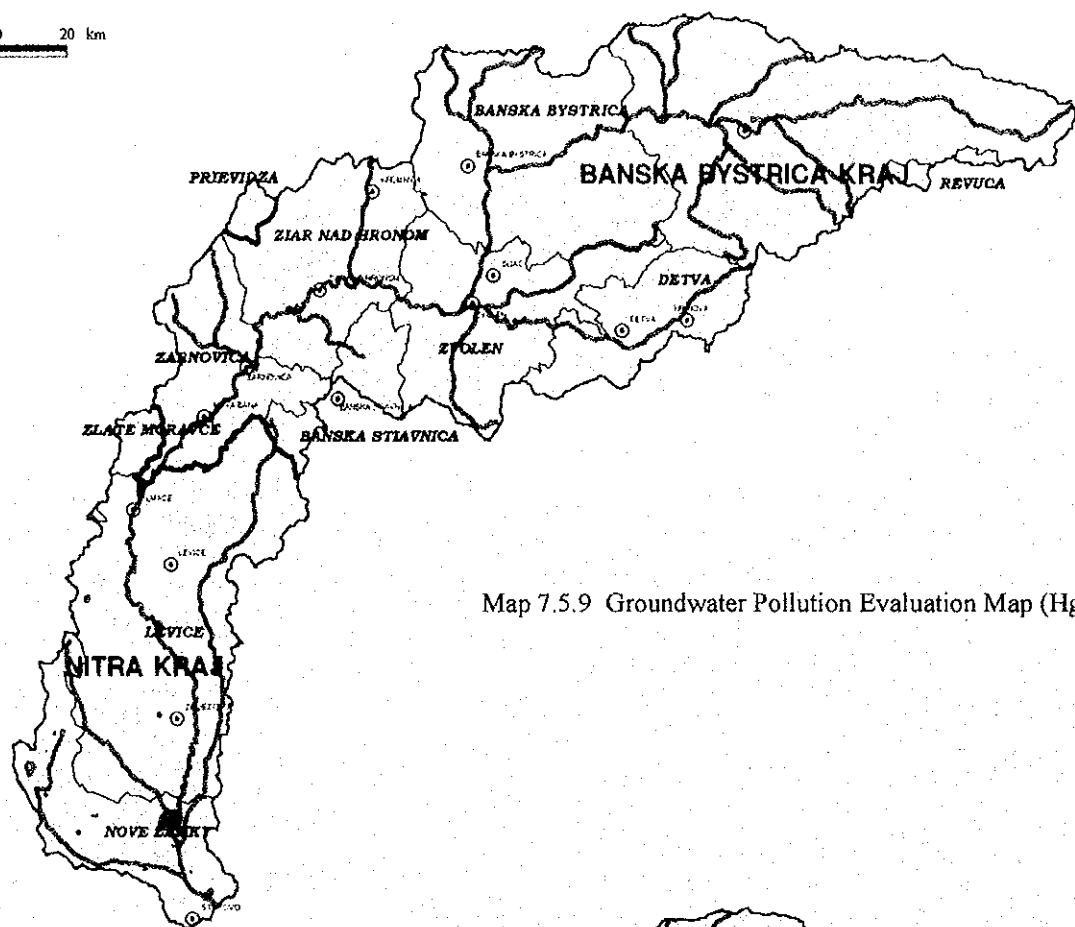
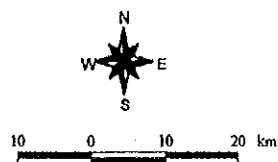


Map 7.5.6 Groundwater Pollution Evaluation Map (Cu)

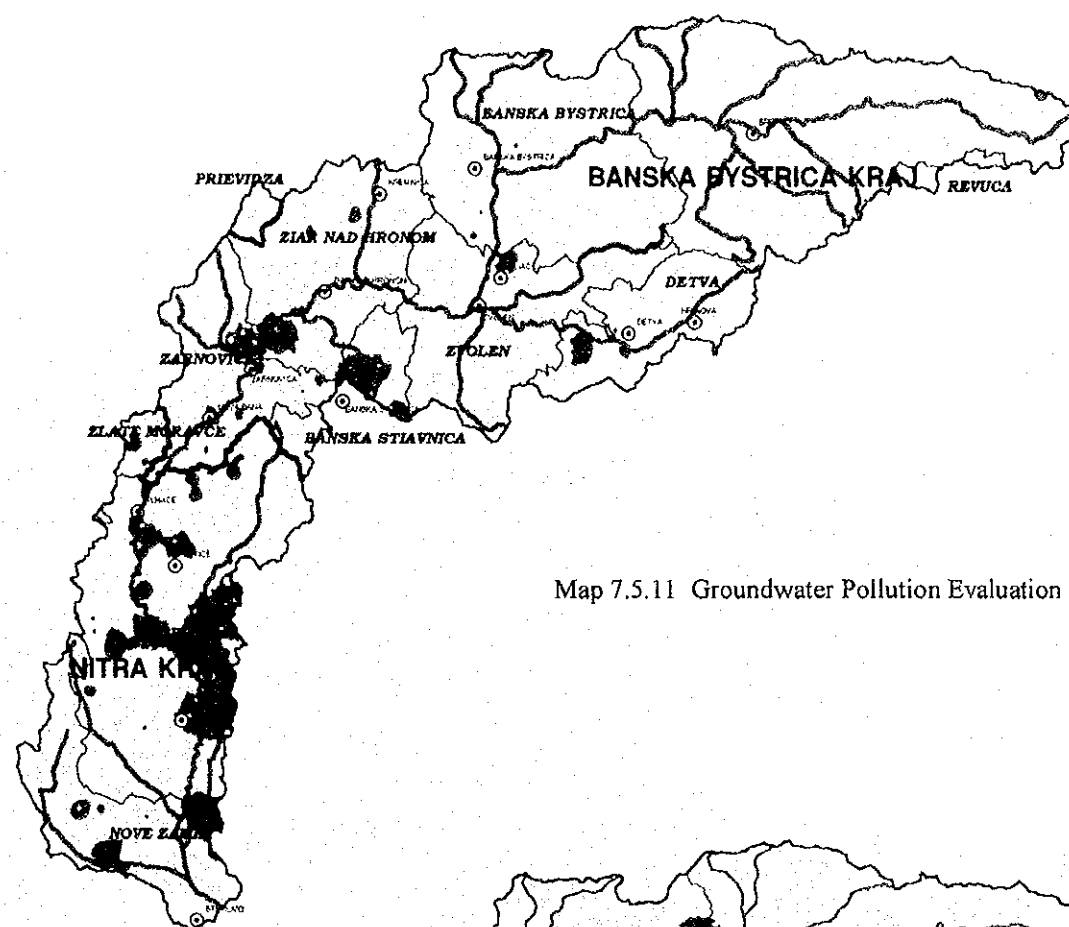


Map 7.5.8 Groundwater Pollution Evaluation Map (Fe)

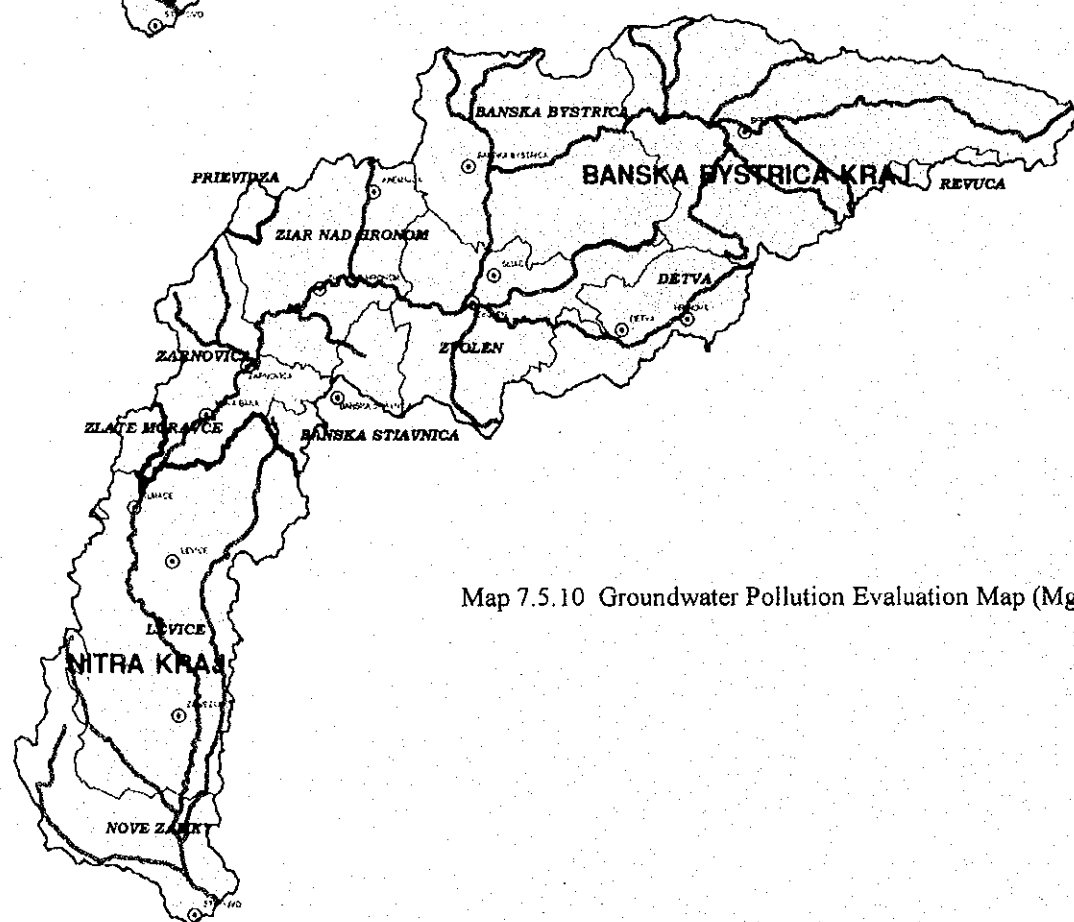
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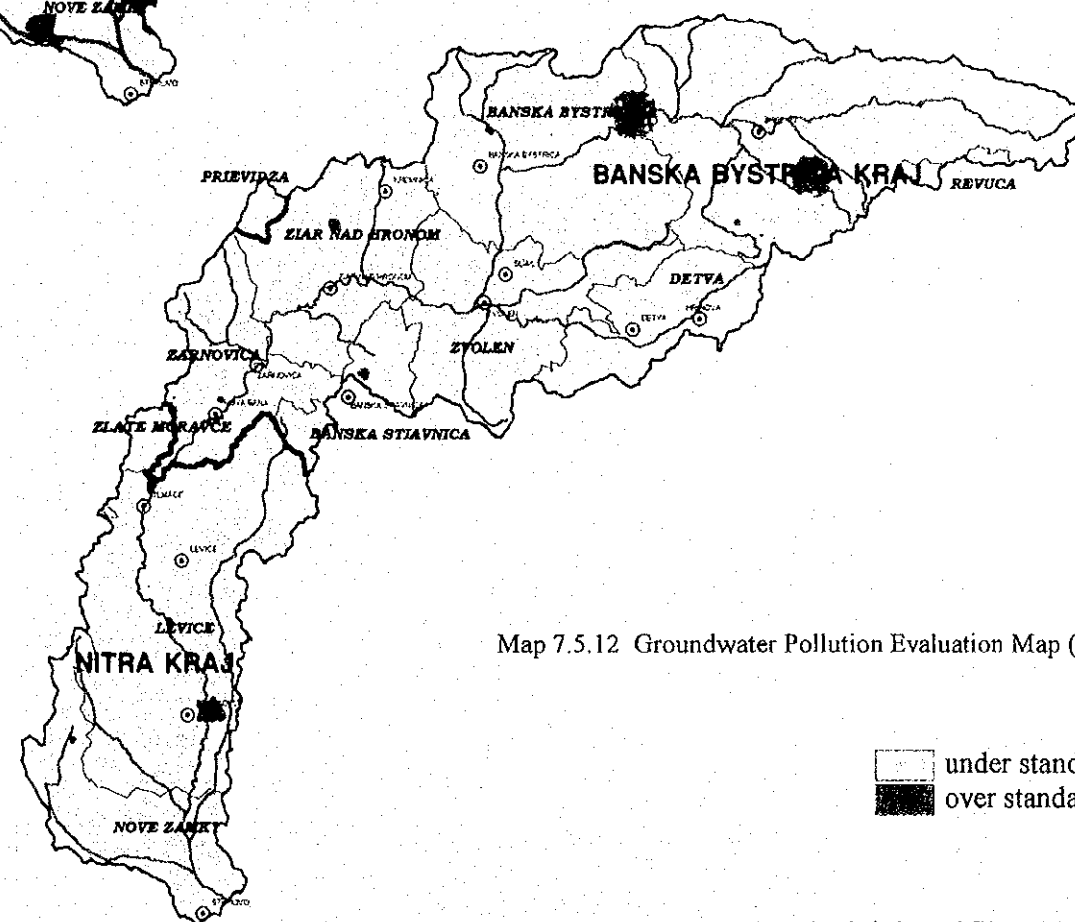
Map 7.5.9 Groundwater Pollution Evaluation Map (Hg)



Map 7.5.11 Groundwater Pollution Evaluation Map (Mn)

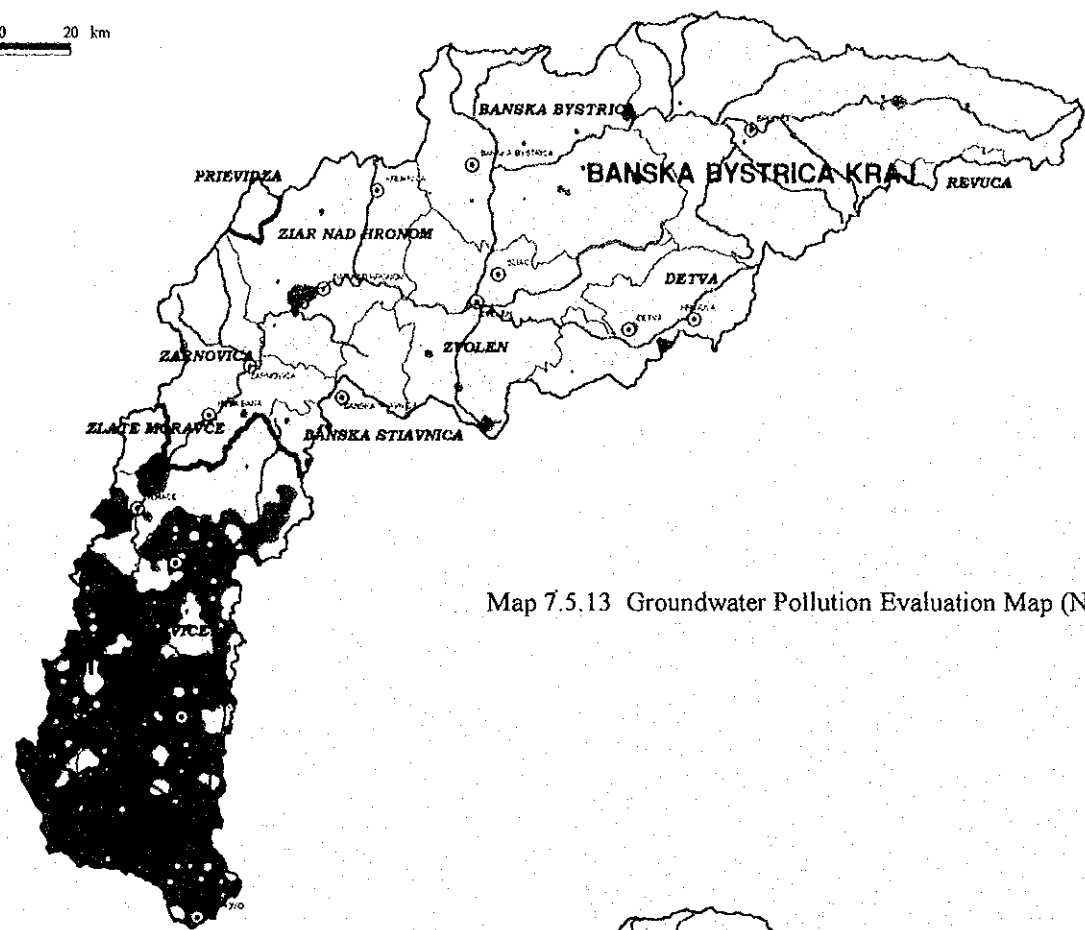
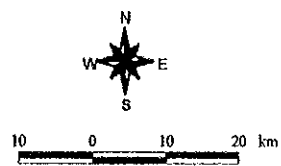


Map 7.5.10 Groundwater Pollution Evaluation Map (Mg)

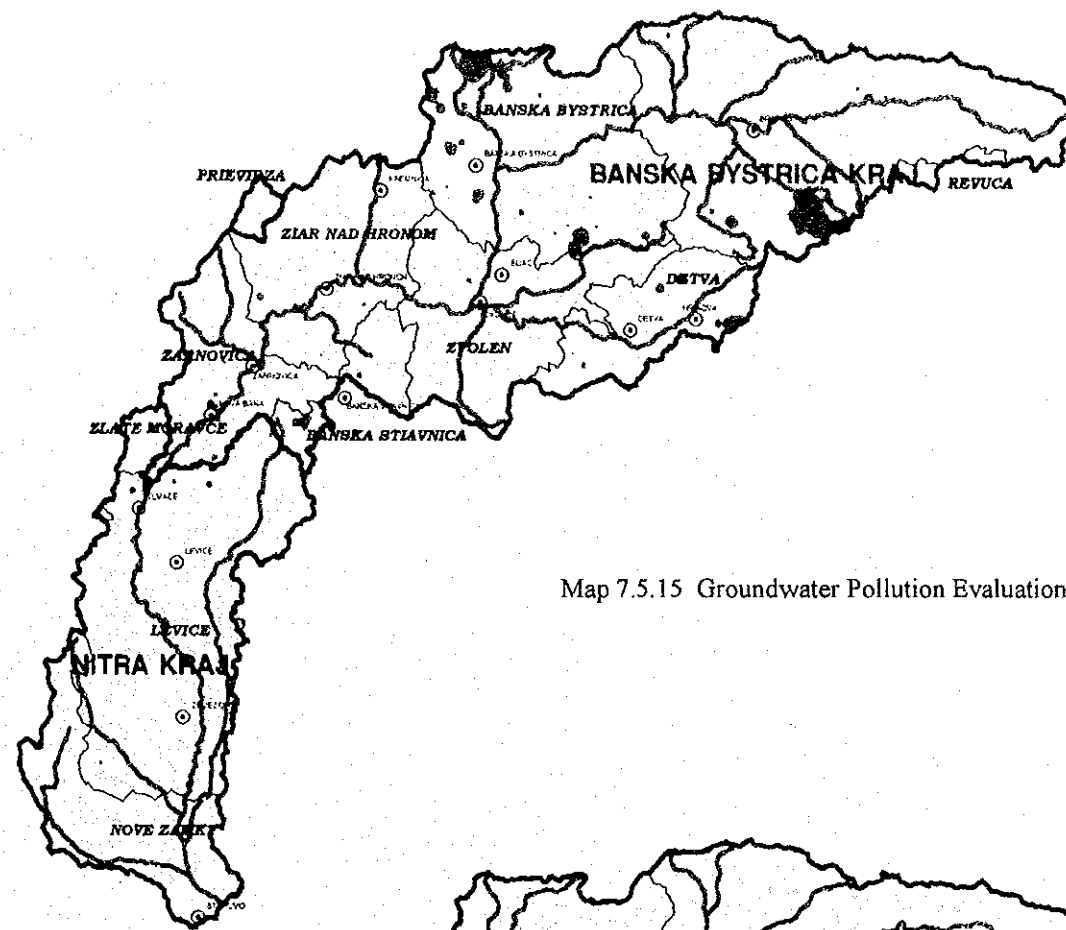


Map 7.5.12 Groundwater Pollution Evaluation Map (NH4)

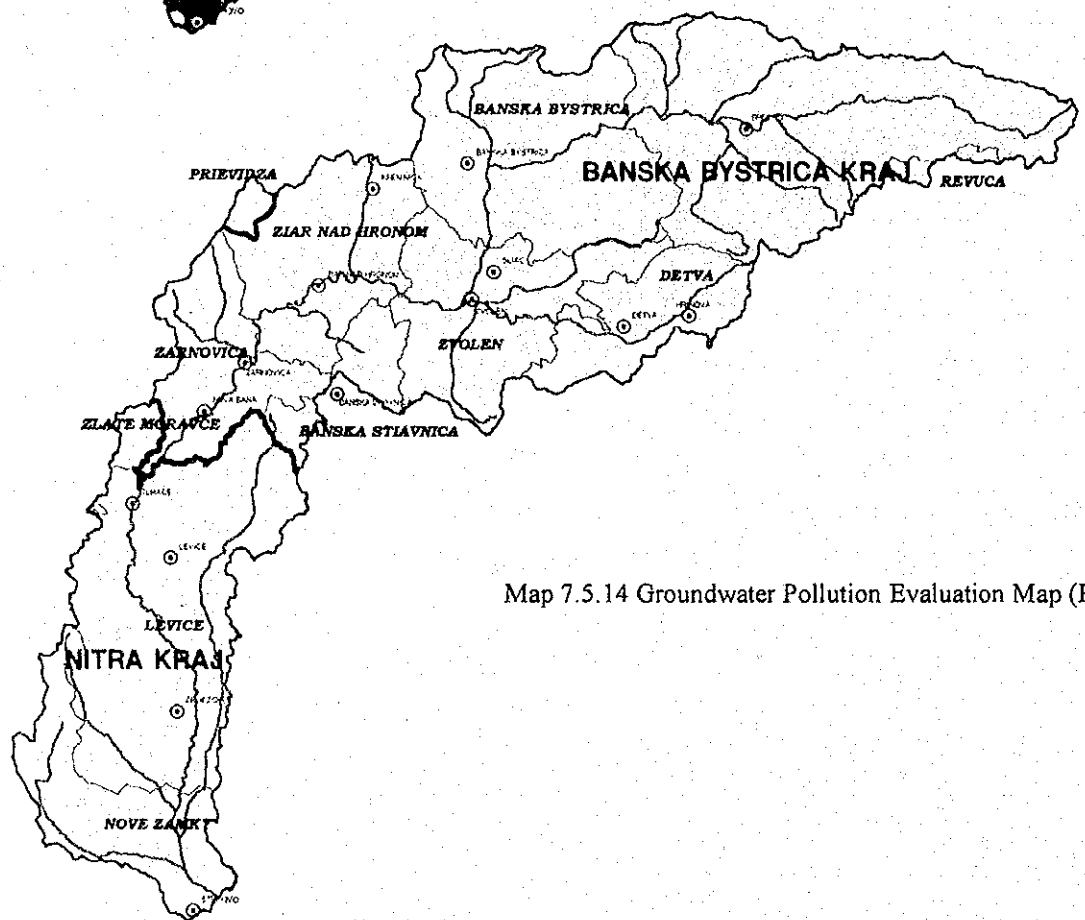
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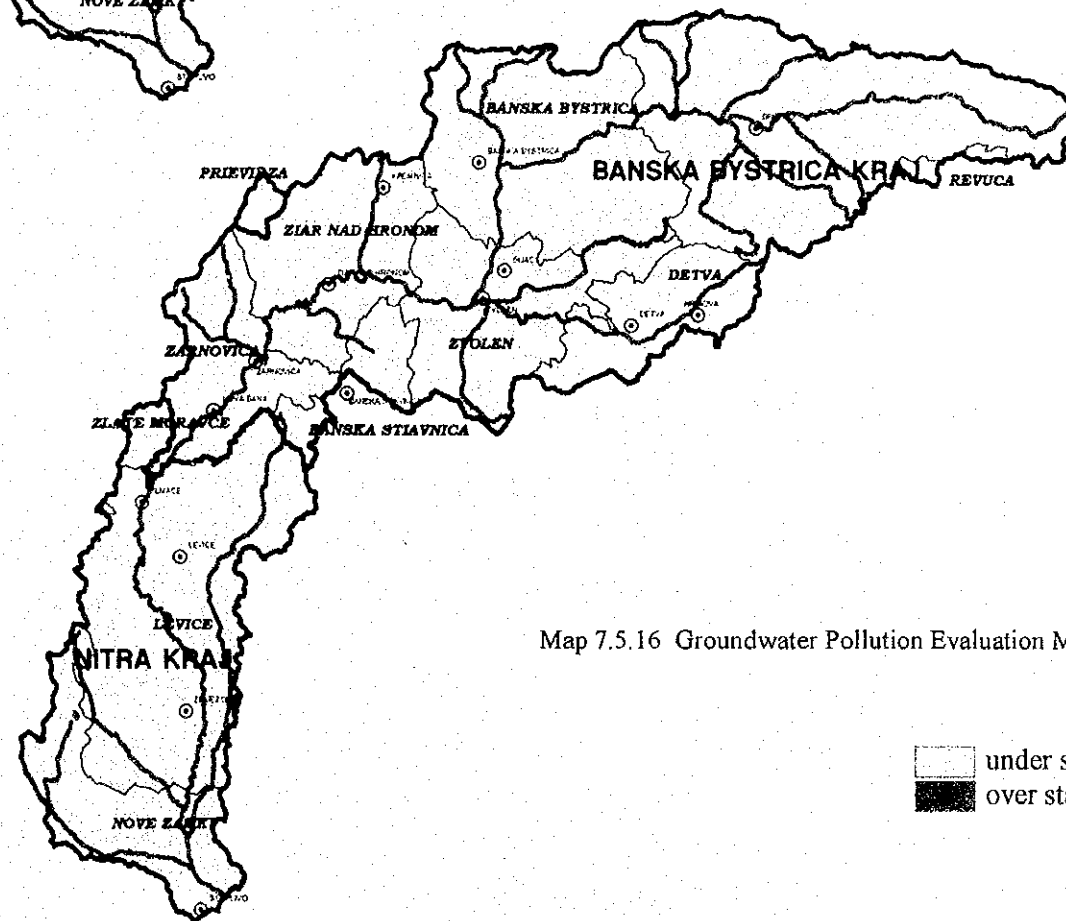
Map 7.5.13 Groundwater Pollution Evaluation Map (NO3)



Map 7.5.15 Groundwater Pollution Evaluation Map (pH)

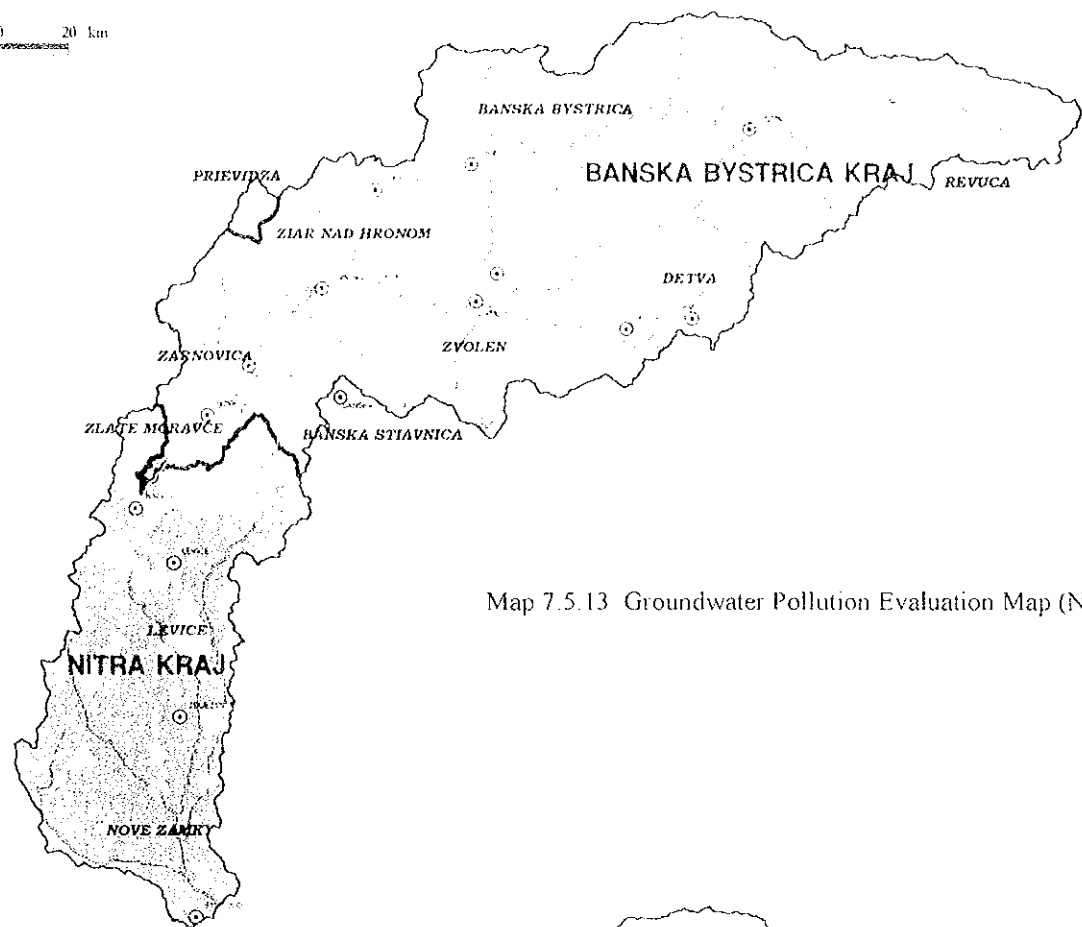
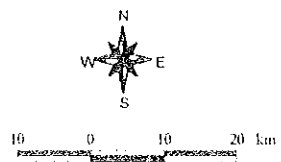


Map 7.5.14 Groundwater Pollution Evaluation Map (Pb)

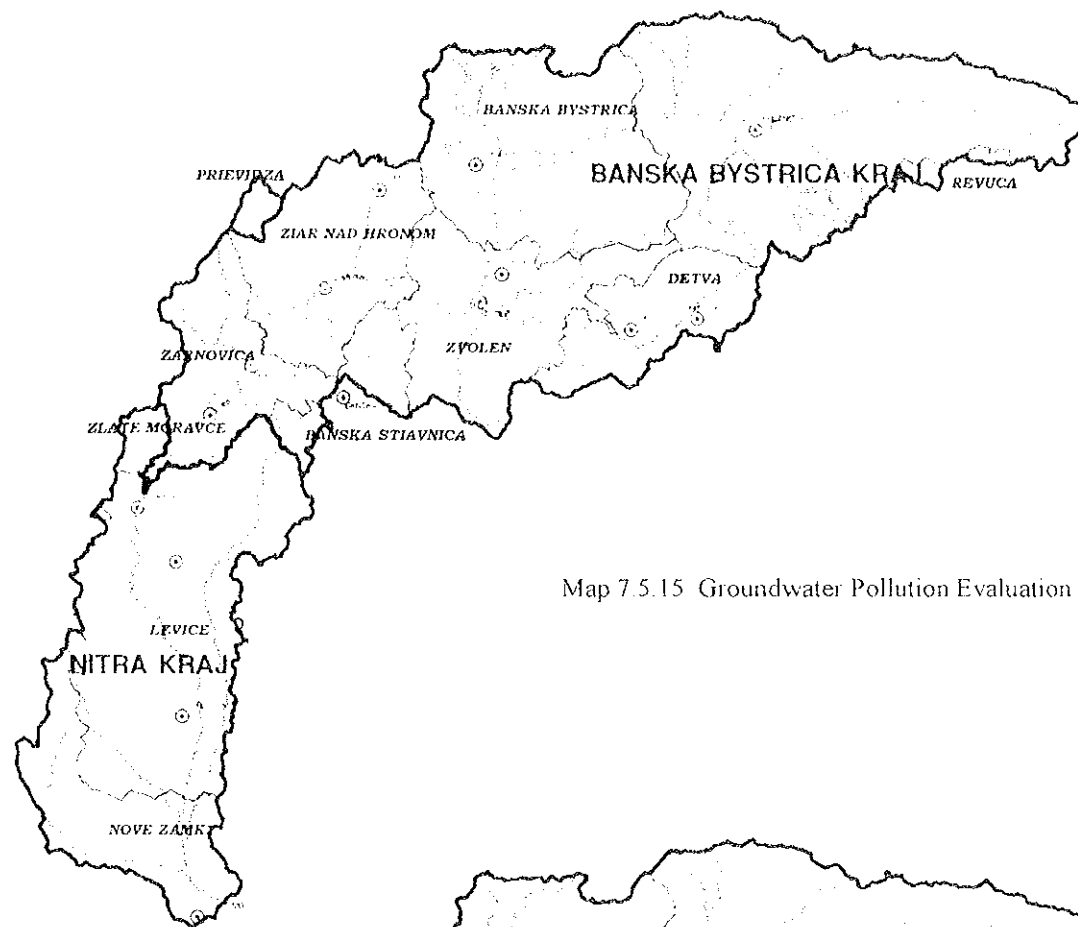


Map 7.5.16 Groundwater Pollution Evaluation Map (Se)

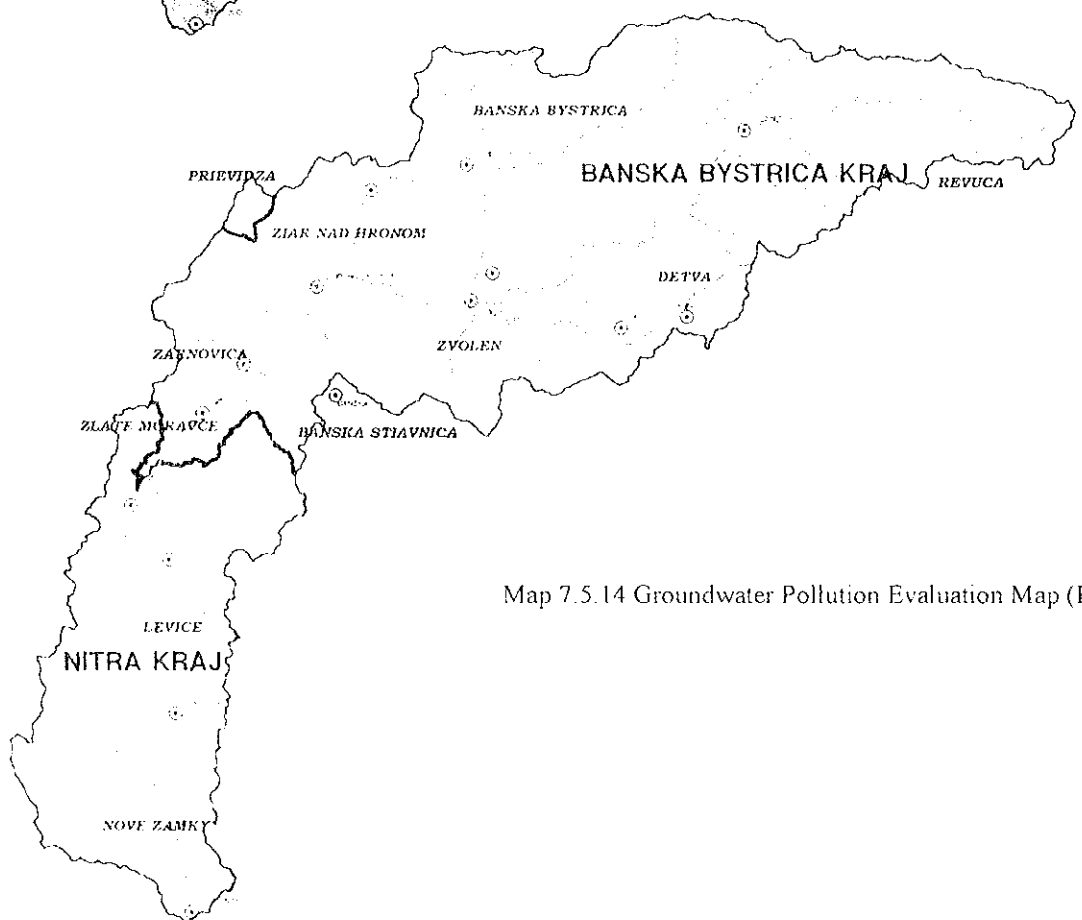
under standard
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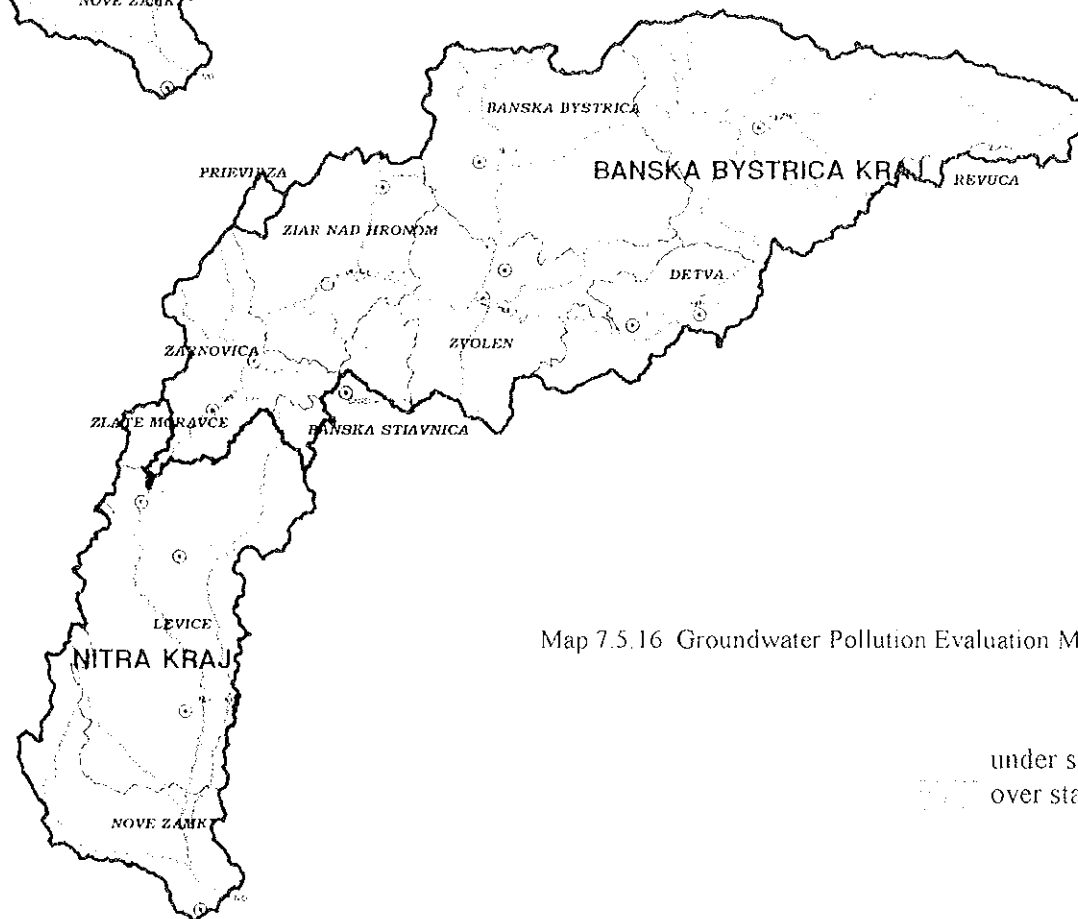
Map 7.5.13 Groundwater Pollution Evaluation Map (NO3)



Map 7.5.15 Groundwater Pollution Evaluation Map (pH)

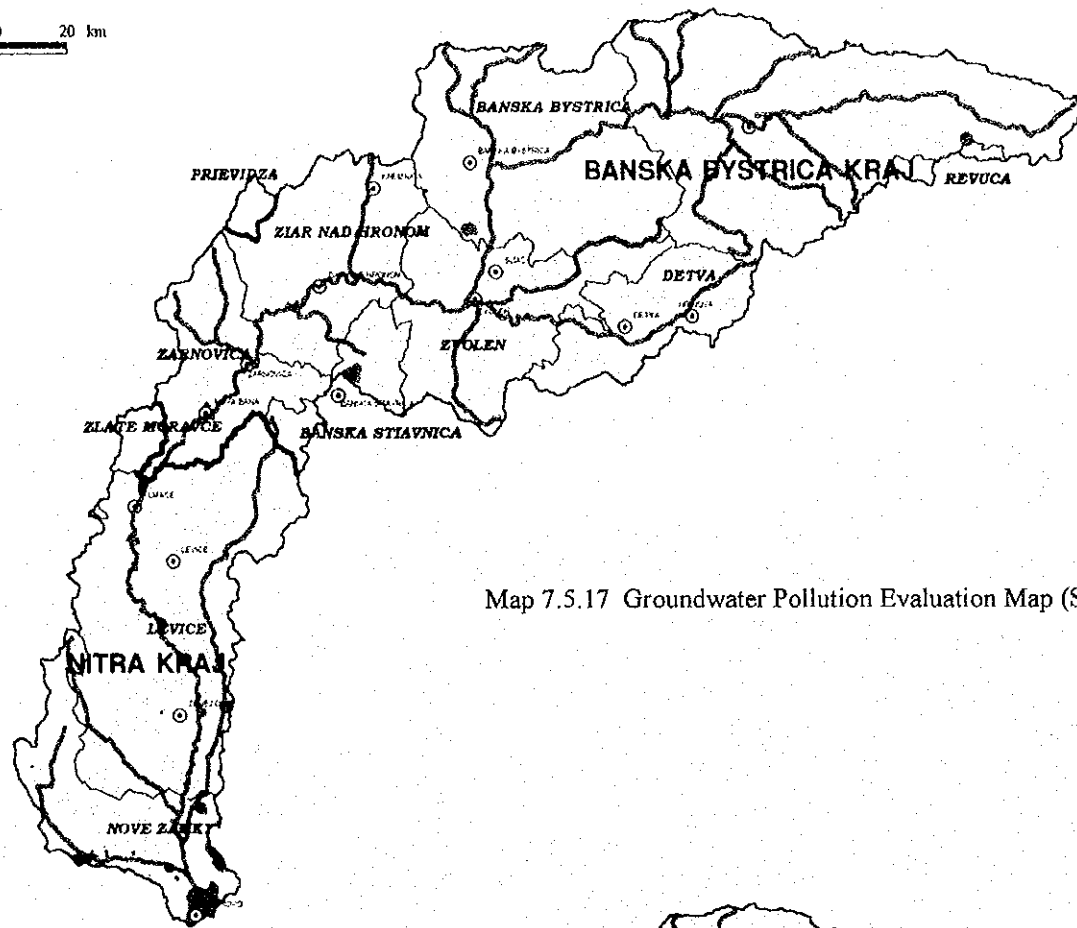
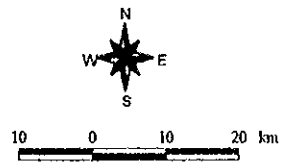


Map 7.5.14 Groundwater Pollution Evaluation Map (Pb)

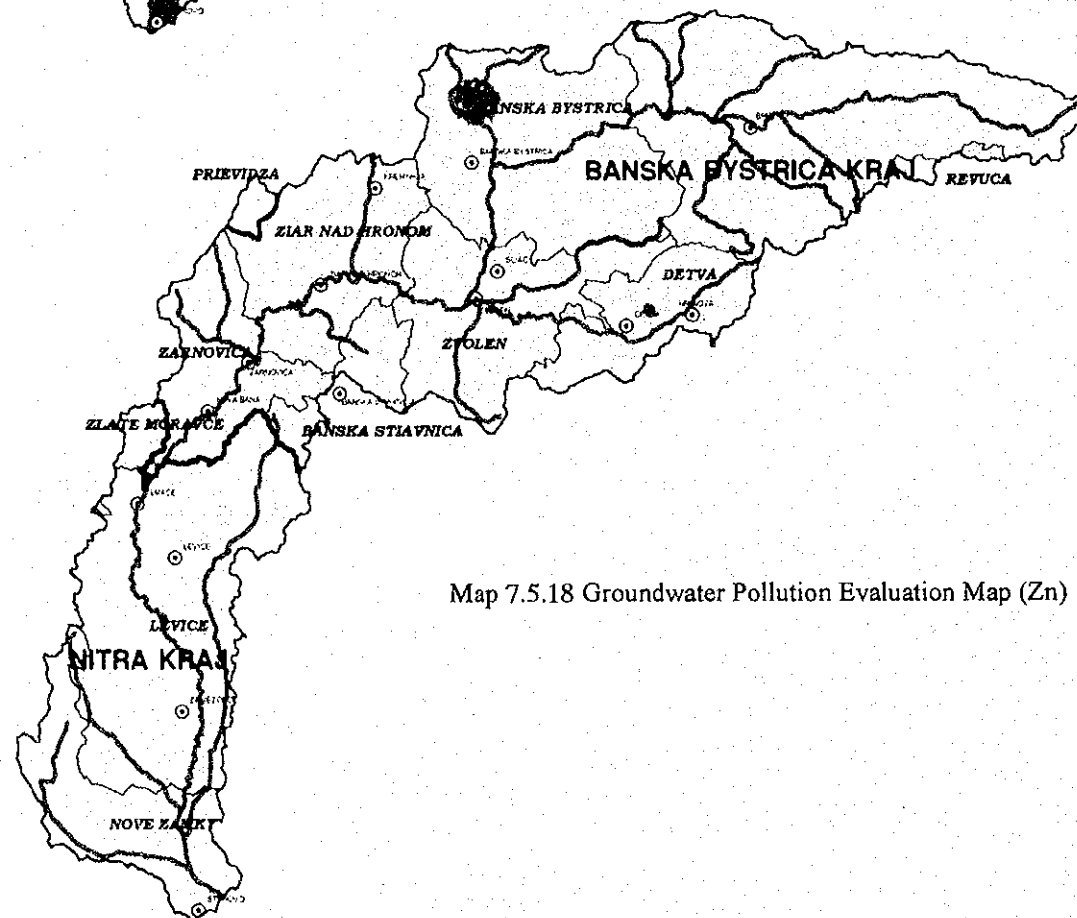


Map 7.5.16 Groundwater Pollution Evaluation Map (Se)

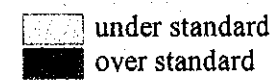
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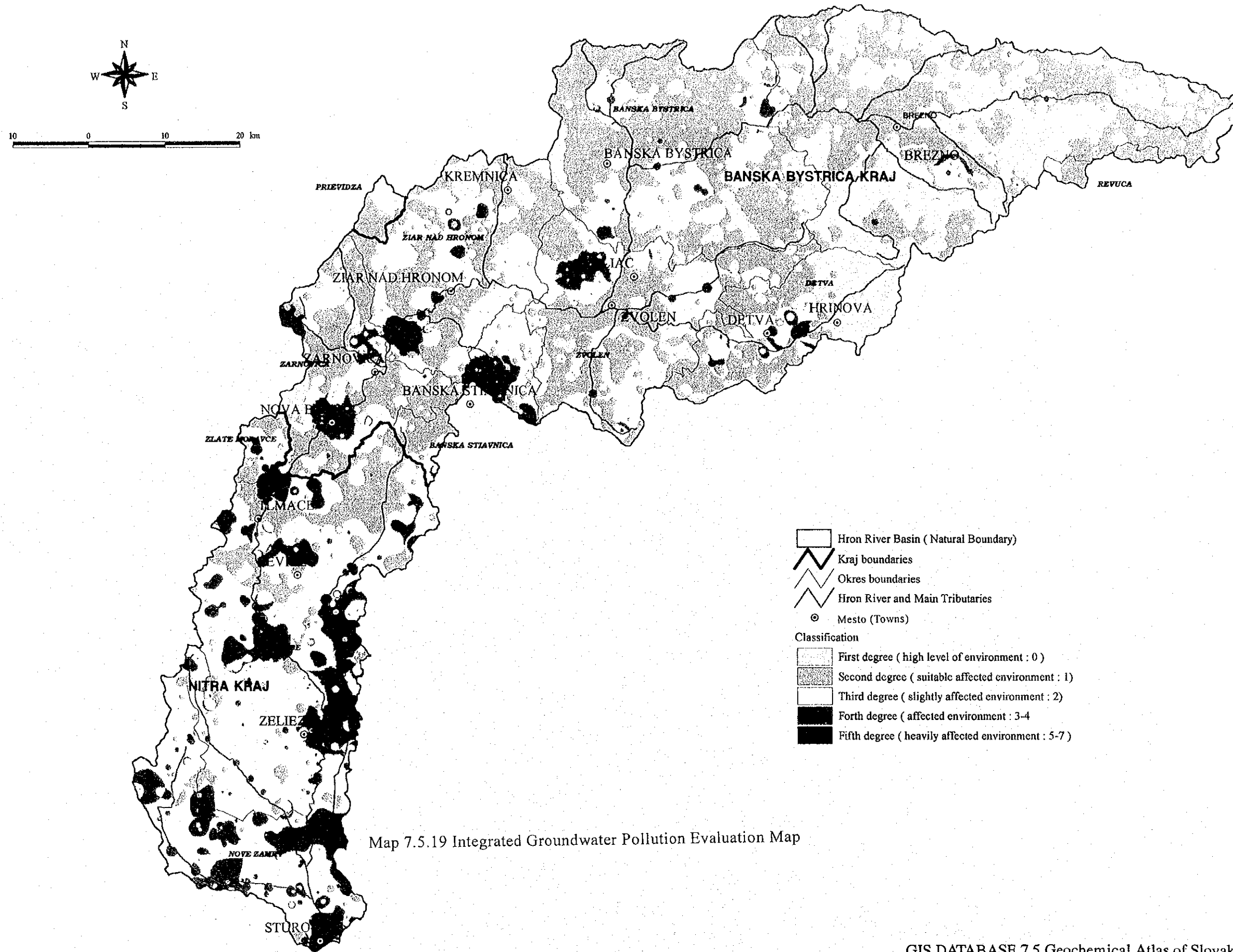


Map 7.5.17 Groundwater Pollution Evaluation Map (SO4)

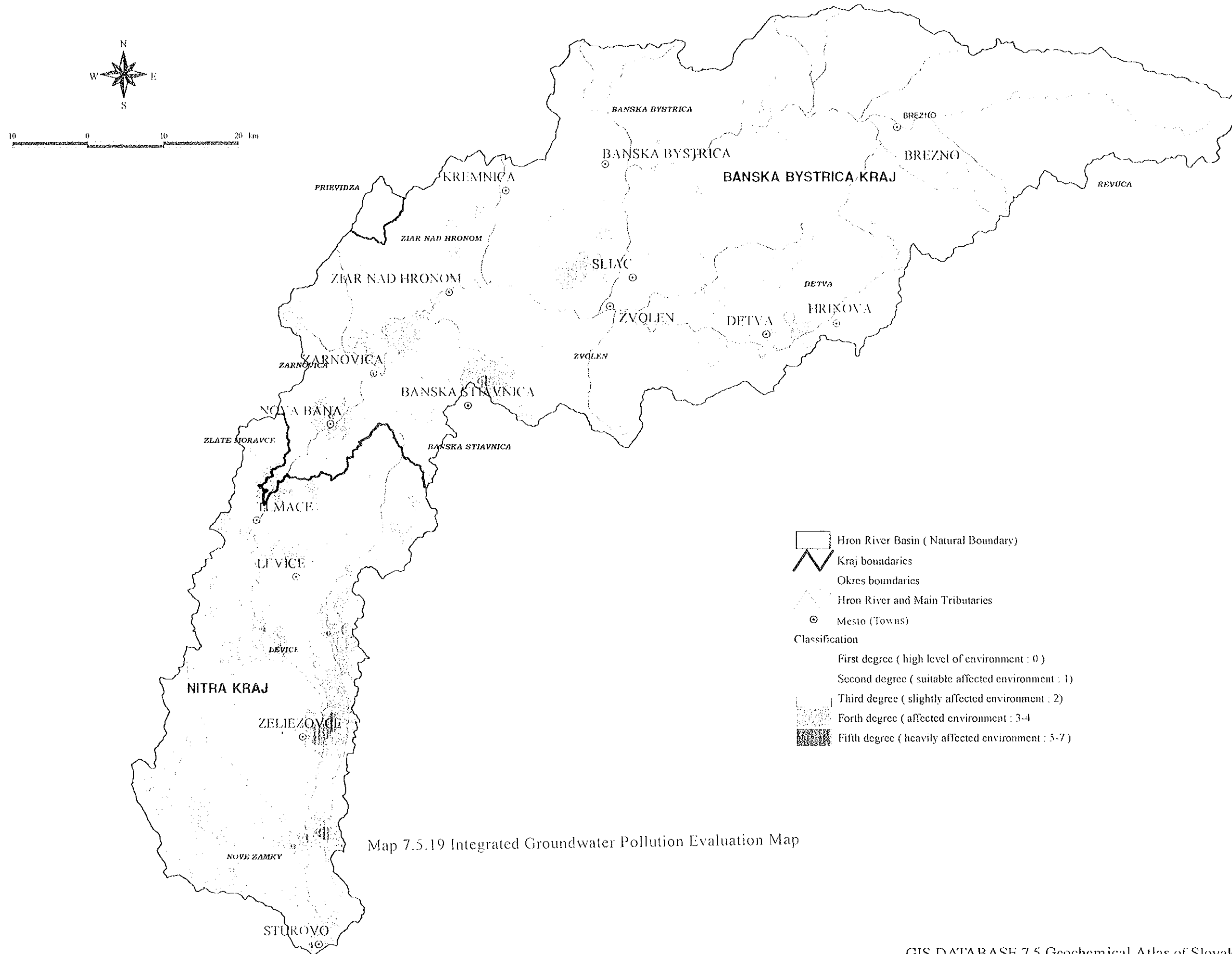


Map 7.5.18 Groundwater Pollution Evaluation Map (Zn)

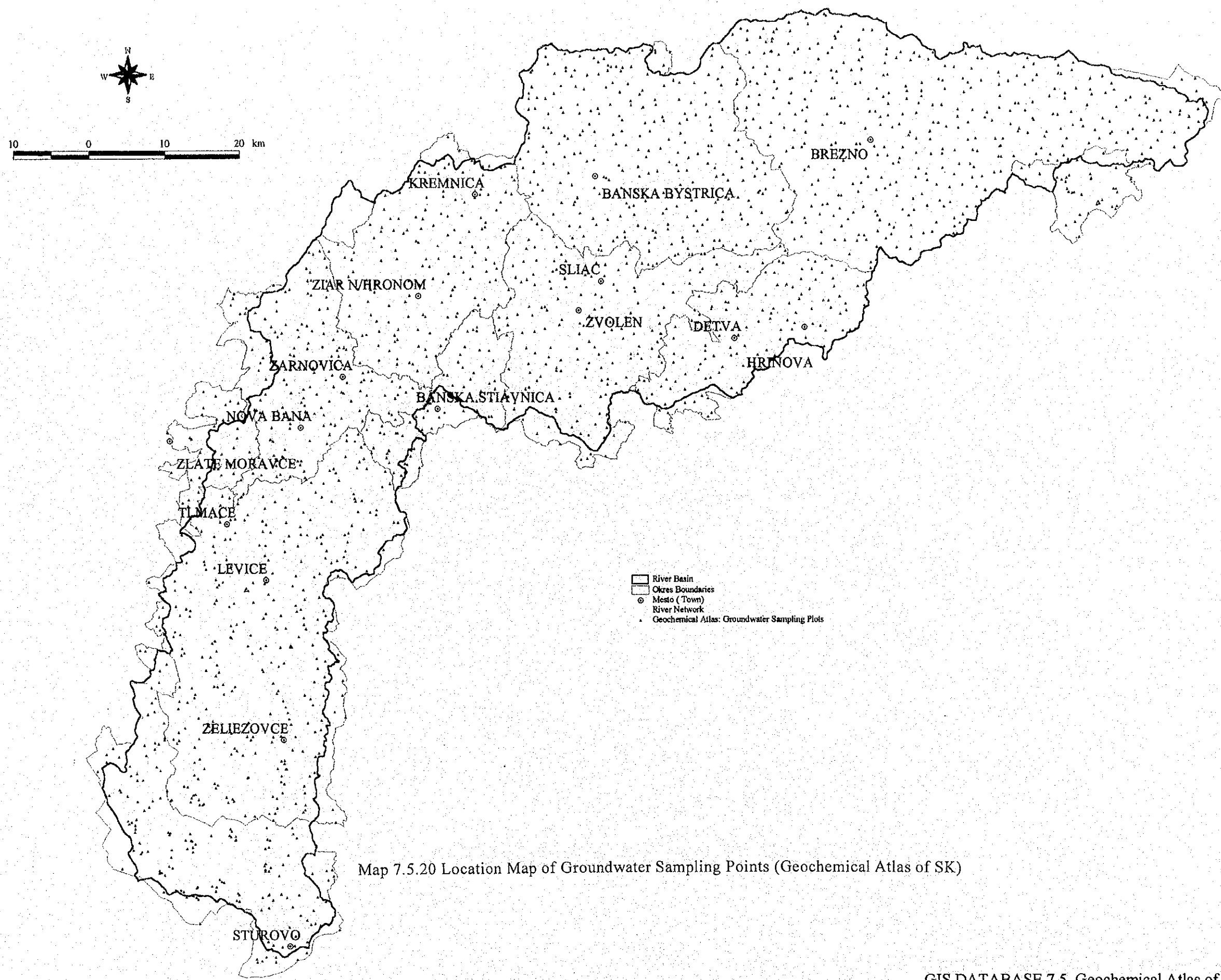




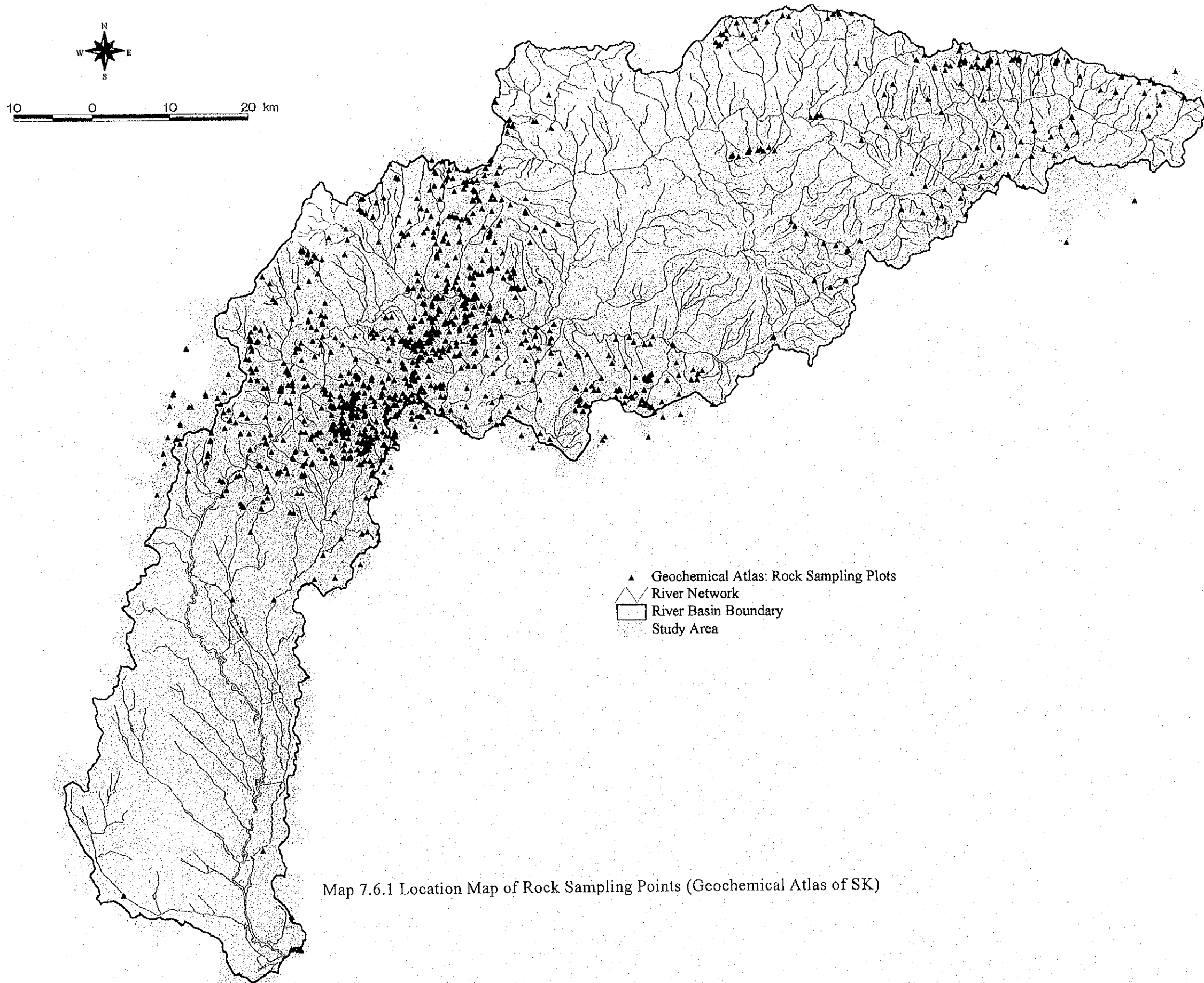
Map 7.5.19 Integrated Groundwater Pollution Evaluation Map



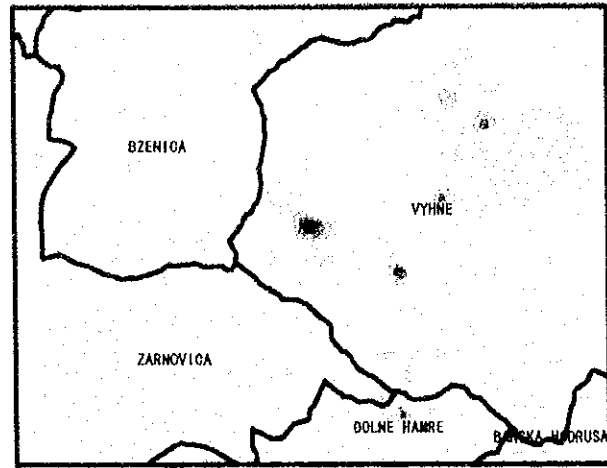
Map 7.5.19 Integrated Groundwater Pollution Evaluation Map



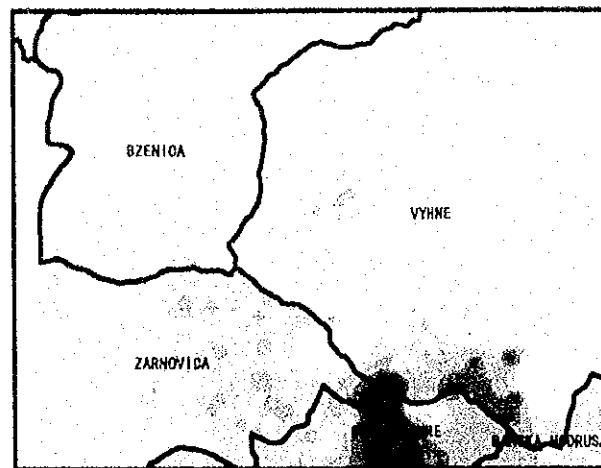
Map 7.5.20 Location Map of Groundwater Sampling Points (Geochemical Atlas of SK)



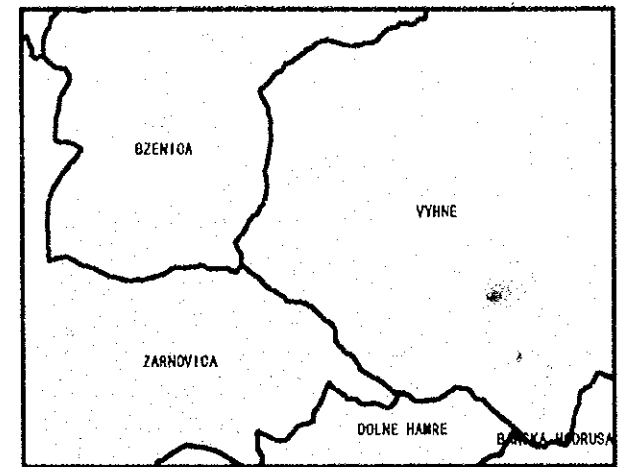
Map 7.6.1 Location Map of Rock Sampling Points (Geochemical Atlas of SK)



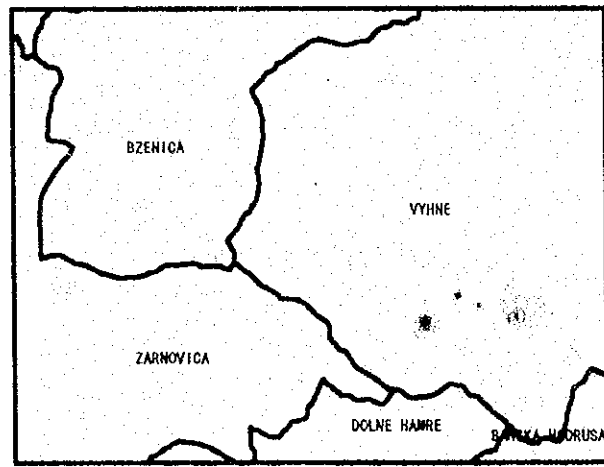
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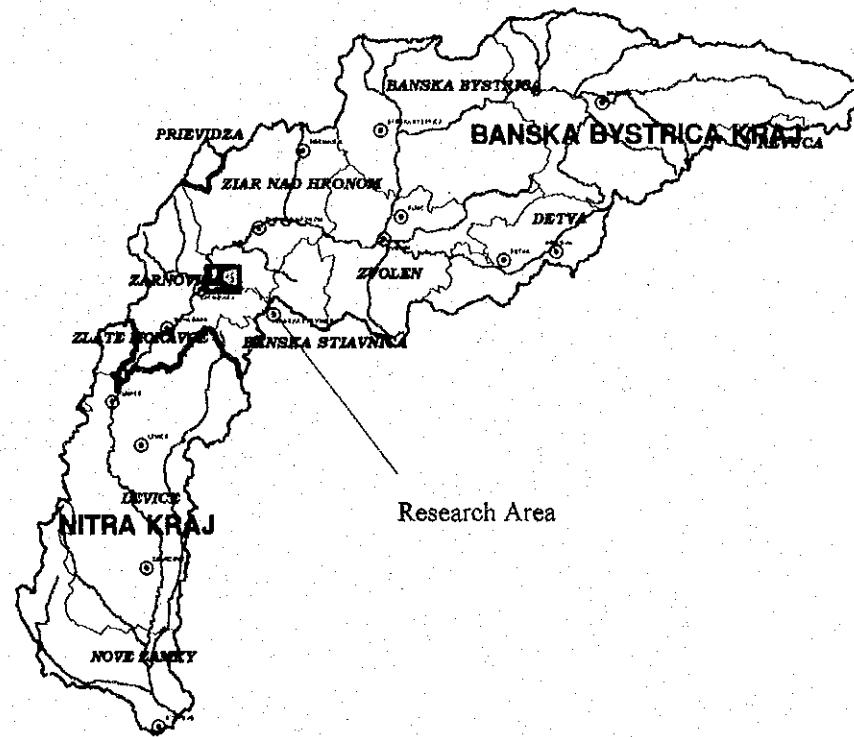
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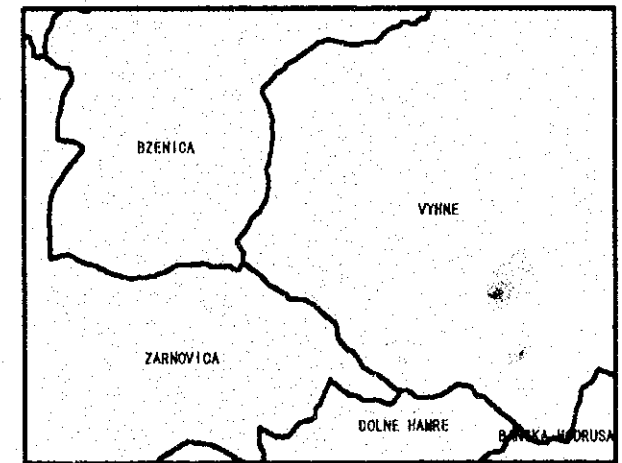
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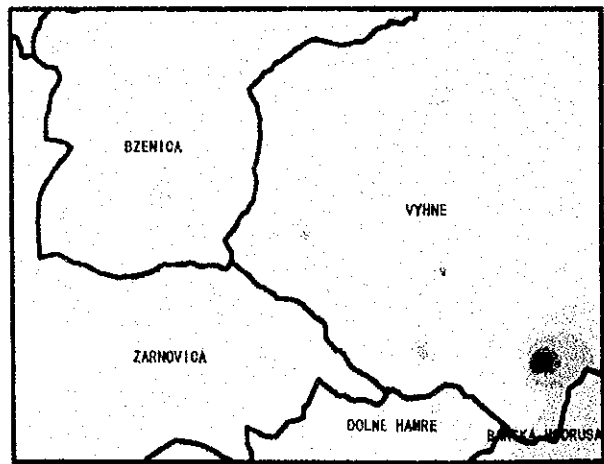
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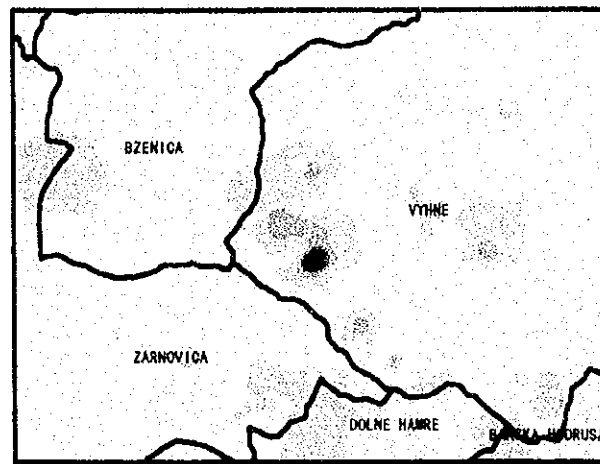
Research Area



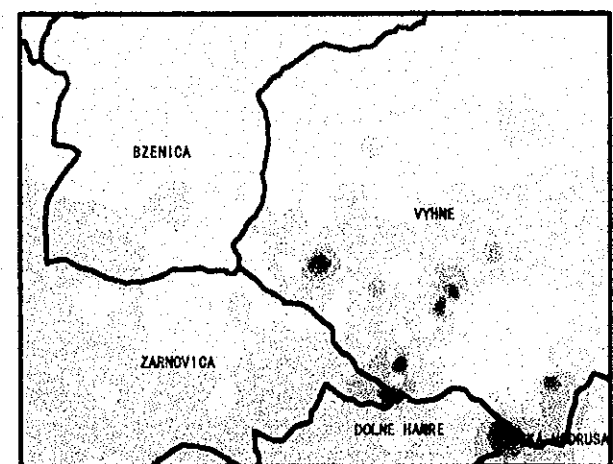
Sn



Cu

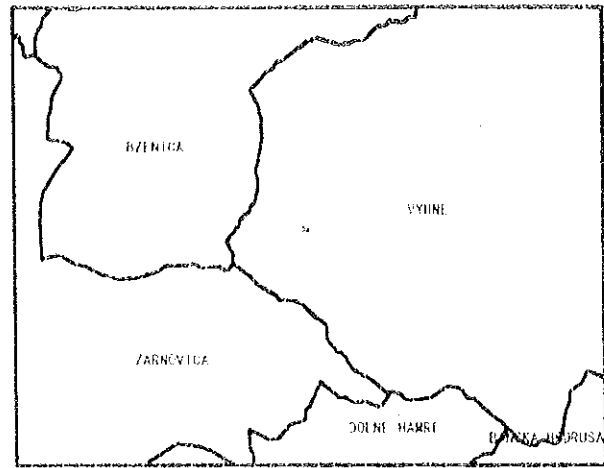


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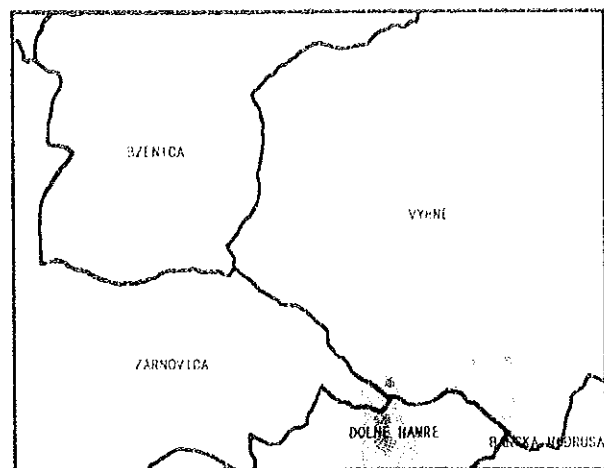


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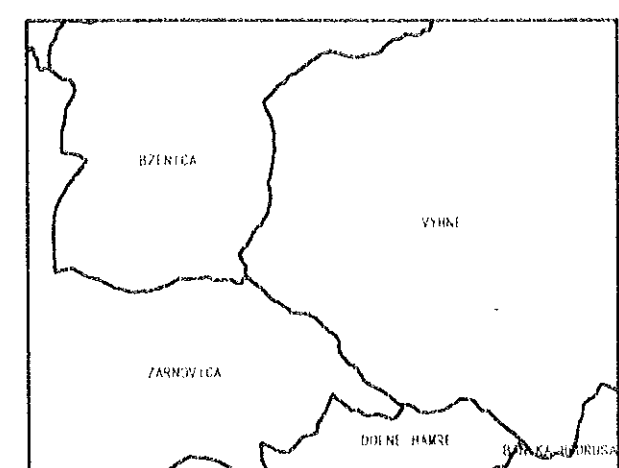
Map 7.7.1 Map 7.7.1 Groundwater Pollution Maps in Stiavineca



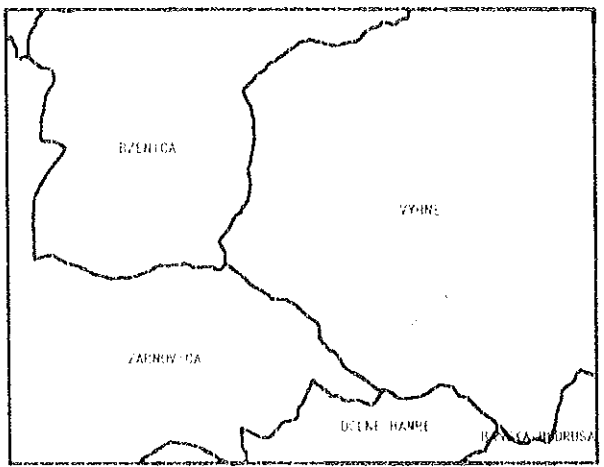
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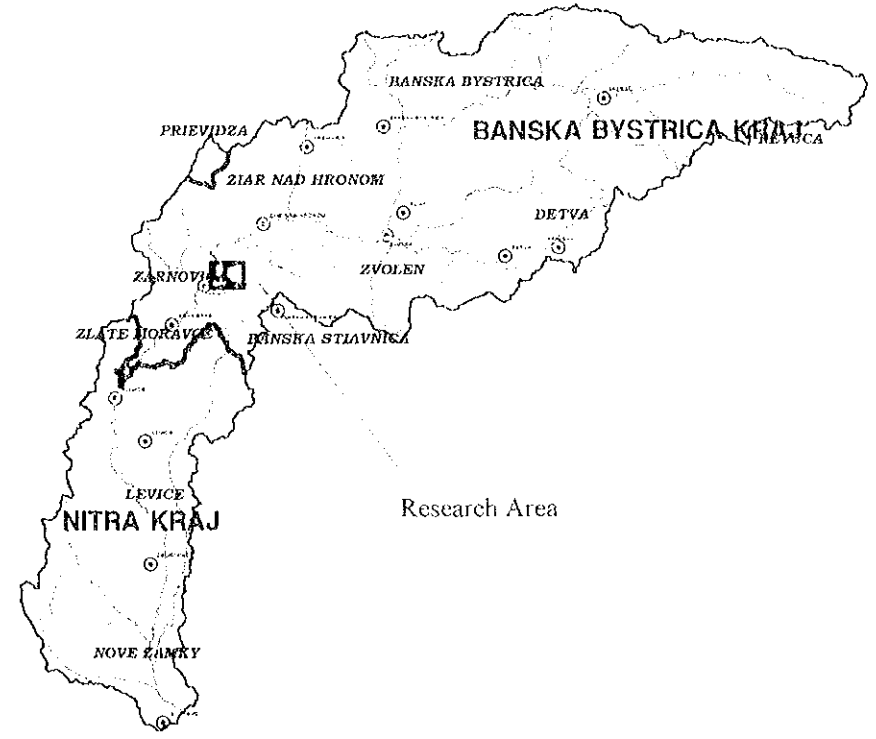
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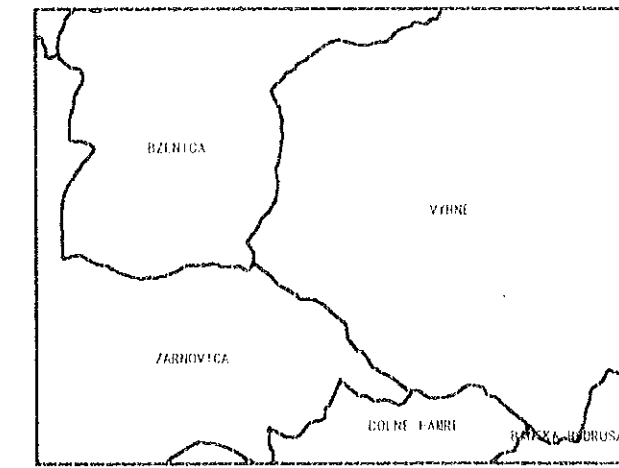
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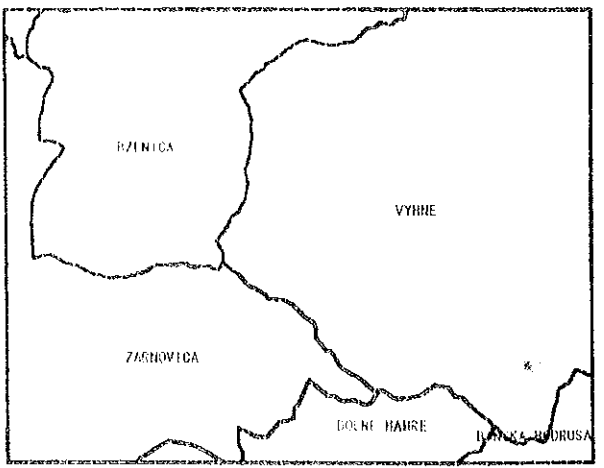
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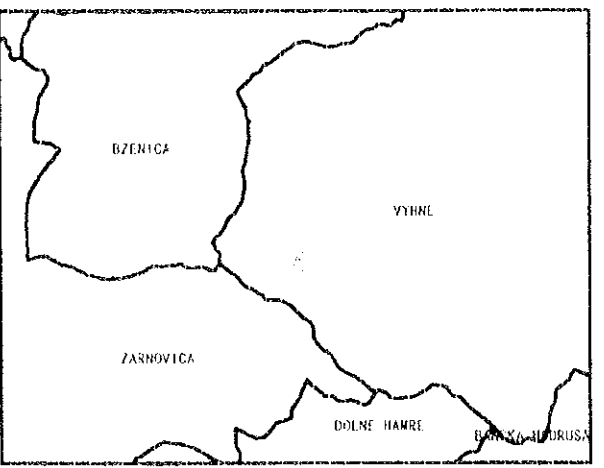
Research Area



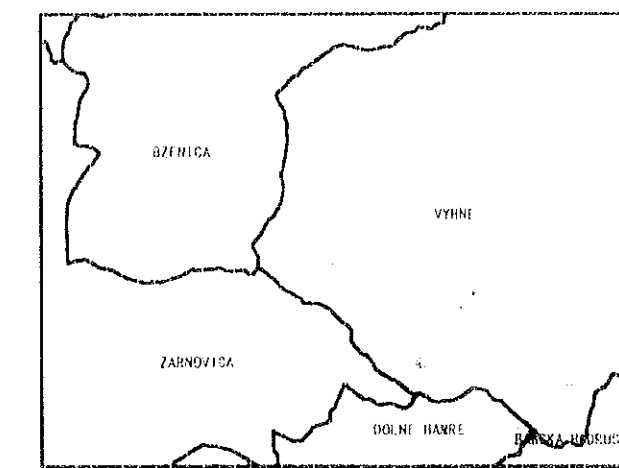
Sn



Cu



Mo



Zn

Map 7.7.1 Map 7.7.1 Groundwater Pollution Maps in Stiavineca