

Evaluated environmental indicators - Bratislavsky region

GROUNDWATER

$I_{ER_{gw}}$ - index of environmental risk for groundwater;
 groundwater quality: no pollution 0; low pollution $>0 \leq 1$; medium pollution $>1 \leq 5$; high pollution $>5 \leq 10$; very high pollution >10 ;
 excess of limits for drinking water for Ca, Mg, Ca+Mg - **green** color value below lower limit, **red** color higher than upper limit

limit value: NV MZ SR 496/2010

| municipality | environmental indicators exceeding limit values | $I_{ER_{gw}}$ | water quality |
|-------------------------------------|---|---------------|---------------------|
| district Bratislava I. - VI. | | | |
| Bratislava | Fe, Mn, Cd | 4.867 | medium pollution |
| district Malacky | | | |
| Borinka | | 0.000 | no pollution |
| Gajary | ChSK _{Mn} , Mg , Fe, Mn, NO ₃ | 10.467 | very high pollution |
| Jablonové | Mn, NO ₃ | 1.986 | medium pollution |
| Jakubov | ChSK _{Mn} , Mg , Fe, Mn, NO ₃ | 11.442 | very high pollution |
| Kostolište | ChSK _{Mn} , Mg , Fe, Mn, NO ₃ | 4.185 | medium pollution |
| Kuchyňa | | 0.000 | no pollution |
| Láb | ChSK _{Mn} , Fe, Mn, NO ₃ | 7.425 | high pollution |
| Lozorno | ChSK _{Mn} , Mn, NO ₃ | 1.923 | medium pollution |
| Malacky | ChSK _{Mn} , Mg , Fe, Mn, NO ₃ | 4.377 | medium pollution |
| Malé Leváre | ChSK _{Mn} , Mg , Fe, Mn, NO ₃ , As | 8.614 | high pollution |
| Marianka | NO ₃ , Cd | 6.755 | high pollution |
| Pernek | Fe, Mn, NO ₃ | 0.630 | low pollution |
| Plavecké Podhradie | | 0.000 | no pollution |
| Plavecký Mikuláš | ChSK _{Mn} , NO ₃ | 0.294 | low pollution |
| Plavecký Štvrtok | ChSK _{Mn} , Fe, Mn, NO ₃ | 5.059 | high pollution |
| Rohožník | ChSK _{Mn} | 0.061 | low pollution |
| Sološnica | | 0.000 | no pollution |
| Studienka | ChSK _{Mn} , Mn, NO ₃ | 2.022 | medium pollution |
| Stupava | ChSK _{Mn} , Mn, NO ₃ , Cd | 9.985 | high pollution |
| Suchohrad | ChSK _{Mn} , Mg , Fe, Mn, NO ₃ | 16.165 | very high pollution |
| Veľké Leváre | ChSKMn, Mg , Fe, Mn, NO ₃ , As | 5.907 | high pollution |
| Vysoká pri Morave | ChSK _{Mn} , Fe, Mn, NO ₃ | 12.036 | very high pollution |
| Záhorie (vojenský obvod) | ChSK _{Mn} , Mn, NO ₃ | 3.615 | medium pollution |
| Záhorská Ves | ChSK _{Mn} , Ca+Mg , Mg , Fe, Mn, NO ₃ | 20.250 | very high pollution |
| Závod | ChSK _{Mn} , Mn, NO ₃ | 3.622 | medium pollution |
| Zohor | ChSK _{Mn} , Fe, Mn, NO ₃ | 6.287 | high pollution |
| district Pezinok | | | |
| Báhoň | MIN, Ca+Mg , Mg , NO ₃ | 2.267 | medium pollution |
| Budmerice | Ca+Mg , Mg , NO ₃ | 0.857 | low pollution |
| Častá | | 0.000 | no pollution |
| Doľany | | 0.000 | no pollution |
| Dubová | | 0.000 | no pollution |

SOIL

I_{ERs} - index of environmental risk for soil;
 soil quality: no pollution 0; low pollution $>0 \leq 1$; medium pollution $>1 \leq 5$; high pollution $>5 \leq 10$; very high pollution >10

limit value: law No. 220/2004, sandy-loamy, loamy soil type

| environmental indicators exceeding limit values | I_{ERs} | soil quality |
|---|-----------|---------------|
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| Cr | 0.045 | low pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| Cr | 0.033 | low pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| Co | 0.430 | low pollution |
| | 0.000 | no pollution |
| Cr | 0.163 | low pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| Cr | 0.034 | low pollution |
| | 0.000 | no pollution |
| Cr | 0.055 | low pollution |
| | 0.000 | no pollution |
| Cr | 0.036 | low pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| Cr | 0.198 | low pollution |
| Cr | 0.124 | low pollution |
| | 0.000 | no pollution |
| Cr | 0.004 | low pollution |
| | 0.000 | no pollution |

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| | | | |
|---------------------|--|-------|------------------|
| Jablonec | MIN, Ca+Mg, Mg , NO ₃ | 2.001 | medium pollution |
| Limbach | Mg , Mn | 0.537 | low pollution |
| Modra | | 0.000 | no pollution |
| Pezinok | Fe, Mn | 4.127 | medium pollution |
| Píla | | 0.000 | no pollution |
| Šenkvice | MIN, Ca+Mg, Mg , Fe, Mn, NO ₃ | 1.452 | medium pollution |
| Slovenský Grob | MIN, Ca+Mg, Mg , Fe, Mn, NO ₃ | 5.341 | high pollution |
| Štefanová | Ca+Mg, Mg , NO ₃ | 0.677 | low pollution |
| Svätý Jur | ChSK _{Mn} , Fe, Mn, NO ₃ | 3.898 | medium pollution |
| Viničné | MIN, ChSK _{Mn} , Ca+Mg, Mg , Fe, Mn, NO ₃ | 5.036 | high pollution |
| Vinosady | ChSK _{Mn} , Mg , Fe, Mn, NO ₃ | 5.226 | high pollution |
| Vištuk | Ca+Mg, Mg , NO ₃ | 0.653 | low pollution |
| district Senec | | | |
| Bernolákovo | Ca+Mg, Mg , Fe, NO ₃ | 2.637 | medium pollution |
| Blatné | MIN, Ca+Mg, Mg , NO ₃ | 1.657 | medium pollution |
| Boldog | Ca+Mg, Mg , NO ₃ | 1.151 | medium pollution |
| Čataj | MIN, Ca+Mg, Mg , NO ₂ , NO ₃ | 3.220 | medium pollution |
| Chorvátsky Grob | MIN, Ca+Mg, Mg , Fe, Mn, NO ₃ | 5.891 | high pollution |
| Dunajská Lužná | | 0.000 | no pollution |
| Hamuliakovo | | 0.000 | no pollution |
| Hrubá Borša | Mg , Mn, NO ₂ , NO ₃ | 2.606 | medium pollution |
| Hrubý Šúr | Mg , Fe, Mn | 2.129 | medium pollution |
| Hurbanova Ves | Mg , Fe, Mn, | 3.642 | medium pollution |
| Igram | MIN, Ca+Mg, Mg , NO ₂ , NO ₃ | 3.025 | medium pollution |
| Ivanka pri Dunaji | Ca+Mg, Mg , Fe, NO ₃ , | 1.361 | medium pollution |
| Kalinkovo | Fe, Mn | 0.534 | low pollution |
| Kaplna | MIN, Ca+Mg, Mg , NO ₂ , NO ₃ | 3.274 | medium pollution |
| Kostolná pri Dunaji | Mg , Mn | 2.638 | medium pollution |
| Kráľová pri Senci | Mg , Mn, NO ₂ , NO ₃ | 2.394 | medium pollution |
| Malinovo | Mg , Mn | 0.013 | low pollution |
| Miloslavov | Mg , NO ₃ | 0.036 | low pollution |
| Most pri Bratislave | Mg , NO ₃ | 0.062 | low pollution |
| Nová Dedinka | Mg , Mn, NO ₃ | 0.724 | low pollution |
| Reca | Ca+Mg, Mg , Mn, NO ₂ , NO ₃ | 2.018 | medium pollution |
| Rovinka | | 0.000 | no pollution |
| Senec | Ca+Mg, Mg , NO ₃ | 0.764 | low pollution |
| Tomášov | Mn | 1.173 | medium pollution |
| Tureň | Mg | 0.654 | low pollution |

SOIL

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| | | |
|----|-------|---------------|
| Cr | 0.222 | low pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| Cr | 0.112 | low pollution |
| | 0.000 | no pollution |
| Cr | 0.135 | low pollution |
| Cr | 0.115 | low pollution |
| Cr | 0.191 | low pollution |
| Cu | 0.196 | low pollution |
| Cr | 0.159 | low pollution |
| Cr | 0.118 | low pollution |
| Cr | 0.116 | low pollution |
| | | |
| Cr | 0.046 | low pollution |
| Cr | 0.138 | low pollution |
| | 0.000 | no pollution |
| Cr | 0.003 | low pollution |
| Cr | 0.089 | low pollution |
| Cr | 0.000 | no pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| Cr | 0.105 | low pollution |
| Cr | 0.062 | low pollution |
| | 0.000 | no pollution |
| Cr | 0.186 | low pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |
| Cr | 0.052 | low pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |

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excess of limits for drinking water for Ca, Mg, Ca+Mg - **green** color value below lower limit, **red** color higher than upper limit

| | | | |
|------------|---|-------|-------------------------|
| Veľký Biel | MIN, Ca+Mg, Mg , Fe, NO ₃ | 1.762 | medium pollution |
| Vlky | Mn | 1.669 | medium pollution |
| Zálesie | Mg , NO ₃ | 0.309 | low pollution |

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| | | |
|----|-------|----------------------|
| Cr | 0.077 | low pollution |
| | 0.000 | no pollution |
| | 0.000 | no pollution |