

Evaluated environmental indicators - Trnava region

GROUNDWATER

I_{ERGw} - index of environmental risk for groundwater;
 groundwater quality: no pollution 0; low pollution >0 ≤ 1; medium pollution >1 ≤ 5; high pollution >5 ≤ 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

Dolná Streda	MIN, ChSK _{Mn} , Ca+Mg, Mg , Mn, NH ₄ , NO ₃	16.347	very high pollution
Dolné Saliby	MIN, Ca+Mg, Mg , Fe, Mn	22.843	very high pollution
Dolný Chotár	ChSK _{Mn} , Mg , Fe, Mn	13.492	very high pollution
Galanta	MIN, Ca+Mg, Mg , Fe, Mn, NO ₂ , NO ₃	12.841	very high pollution
Gáň	MIN, Ca+Mg, Mg , Fe, Mn, NH ₄ , SO ₄ , NO ₃	9.271	high pollution
Horné Saliby	MIN, Ca+Mg, Mg , Fe, Mn	19.705	very high pollution
Hoste	MIN, Ca+Mg, Mg , Mn, NO ₂ , NO ₃ , Pb	7.309	high pollution
Jánovce	ChSK _{Mn} , Mg , Mn, NO ₂ , NO ₃	4.518	medium pollution
Jelka	ChSK _{Mn} , Mg , Mn, NO ₂	2.392	medium pollution
Kajal	Ca+Mg, Mg , Fe, Mn, NO ₃	13.911	very high pollution
Košúty	Ca+Mg, Mg , Fe, Mn, NH ₄ , NO ₂	13.336	very high pollution
Kráľov Brod	Ca+Mg, Mg , Fe, Mn	21.180	very high pollution
Matúškovo	MIN, Ca+Mg, Mg , Fe, Mn, NO ₃	11.265	very high pollution
Mostová	Ca+Mg, Mg , Fe, Mn, NO ₂	12.089	very high pollution
Pata	MIN, Ca+Mg, Mg , Mn, NO ₂ , NO ₃	4.268	medium pollution
Pusté Sady	MIN, Ca+Mg, Mg , NO ₃	2.611	medium pollution
Pusté Úľany	Mg , Mn, NH ₄ , NO ₂	4.847	medium pollution
Šalgočka	Ca+Mg, Mg , Mn, NO ₃	2.657	medium pollution
Sereď	MIN, ChSK _{Mn} , Ca+Mg, Mg , Mn, NH ₄ , SO ₄ , NO ₃	12.326	very high pollution
Šintava	MIN, ChSK _{Mn} , Ca+Mg, Mg , Mn, NH ₄ , NO ₃	11.695	very high pollution
Sládkovičovo	MIN, Ca+Mg, Mg , Fe, Mn, NH ₄ , NO ₂	14.054	very high pollution
Šoporňa	Ca+Mg, Mg , Fe, Mn, NO ₂ , NO ₃	11.343	very high pollution
Tomášikovo	Ca+Mg, Mg , Fe, Mn, Cd	20.896	very high pollution
Topoľnica	MIN, Ca+Mg, Mg , Fe, Mn, NO ₃	12.988	very high pollution
Trstice	Ca+Mg, Mg , Fe, Mn	19.319	very high pollution
Váhovce	MIN, Ca+Mg, Mg , Fe, Mn, NH ₄ , NO ₃	14.814	very high pollution
Veľká Mača	MIN, Ca+Mg, Mg , Fe, Mn, NO ₂ , NO ₃	8.959	high pollution
Veľké Úľany	ChSK _{Mn} , Ca+Mg, Mg , Mn, NH ₄ , NO ₂	8.066	high pollution
Veľký Grob	Ca+Mg, Mg , NO ₂ , NO ₃	1.979	medium pollution
Vinohrady nad Váhom	MIN, Ca+Mg , Mn, NO ₃	7.539	high pollution
Vozokany	MIN, Ca+Mg, Mg , Fe, Mn, Cd	19.721	very high pollution
Zemianske Sady	Ca+Mg, Mg , Mn, NO ₃ ,	2.688	medium pollution
district Hlohovec			
Bojničky	Ca+Mg, Mg , Mn, NO ₃	1.588	medium pollution
Červeník	Ca+Mg, Mg , Mn, NH ₄ , NO ₃	3.265	medium pollution
Dolné Otrokovce	MIN, ChSK _{Mn} , Ca+Mg, Mg , Mn, NO ₃	1.959	medium pollution

SOIL

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

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

Cr	0.323	low pollution
Cr	0.102	low pollution
Cr	0.093	low pollution
Cr	0.076	low pollution
Cr	0.223	low pollution
Cr	0.045	low pollution
Cr	0.126	low pollution
	0.000	no pollution
	0.000	no pollution
Cr	0.056	low pollution
	0.000	no pollution
Cr	0.069	low pollution
Cr	0.042	low pollution
	0.000	no pollution
Cr	0.052	low pollution
Cr	0.029	low pollution
Cd, Co, Se	1.806	high pollution
Cr	0.205	low pollution
Cr	0.244	low pollution
Cr	0.222	low pollution
	0.000	no pollution
Cr	0.195	low pollution
	0.000	no pollution
Cr	0.108	low pollution
	0.000	no pollution
Cr	0.164	low pollution
Cr	0.100	low pollution
	0.000	no pollution
Co	0.380	low pollution
Cr	0.136	low pollution
Cr	0.011	low pollution
Cr	0.104	low pollution
Cr	0.437	low pollution
Cr	0.288	low pollution
Cr	0.328	low pollution

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GROUNDWATER

I_{ERGw} - index of environmental risk for groundwater;
 groundwater quality: no pollution 0; low pollution >0 ≤ 1; medium pollution >1 ≤ 5; high pollution >5 ≤ 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

Dolné Trhovište	MIN, Ca+Mg, Mg , NO ₃	2.214	medium pollution
Dolné Zelenice	MIN, Ca+Mg, Mg , Fe, Mn, NO ₃	6.936	high pollution
Dvorníky	MIN, Ca+Mg, Mg , Mn, NO ₃	4.132	medium pollution
Hlohovec	MIN, Ca+Mg, Mg , Mn, NO ₃	3.015	medium pollution
Horné Otrokovce	ChSKMn, Ca+Mg, Mg , Mn, NO ₃	1.047	medium pollution
Horné Trhovište	MIN, ChSK _{Mn} , Ca+Mg, Mg , Mn, NO ₃	2.130	medium pollution
Horné Zelenice	MIN, Ca+Mg, Mg , Fe, Mn, NO ₃	5.754	high pollution
Jalšové	Ca+Mg, Mg , Mn	3.287	medium pollution
Kľačany	Ca+Mg, Mg , NO ₃	1.619	medium pollution
Koplotovce	Ca+Mg, Mg , Mn	5.222	high pollution
Leopoldov	MIN, Ca+Mg, Mg , Mn, NO ₃	4.166	medium pollution
Madunice	Ca+Mg, Mg , Mn	4.152	medium pollution
Merašice	Ca+Mg, Mg , Mn, NO ₃	1.984	medium pollution
Pastuchov	Ca+Mg, Mg , NO ₃	1.644	medium pollution
Ratkovce	Ca+Mg, Mg , Mn, NH ₄ , NO ₃	1.576	medium pollution
Sasinkovo	Ca+Mg, Mg , Mn, NO ₃	1.939	medium pollution
Siladice	MIN, Ca+Mg, Mg , Fe, Mn, NO ₃	7.546	high pollution
Tekold'any	ChSK _{Mn} , Ca+Mg, Mg , Mn, NO ₃	1.284	medium pollution
Tepličky	Ca+Mg, Mg , Mn, NO ₃	2.985	medium pollution
Trakovice	Ca+Mg, Mg , Mn, NO ₃	2.695	medium pollution
Žlkovce	Ca+Mg, Mg , NH ₄ , NO ₃	1.648	medium pollution
district Piešťany			
Banka	Mg , Mn	4.956	medium pollution
Bašovce	Ca+Mg, Mg , Fe, Mn	5.512	high pollution
Borovce	Ca+Mg, Mg , Mn, NO ₃	3.964	medium pollution
Chtelnica	Mg , Mn	0.023	low pollution
Dolný Lopašov	Mg , NO ₃	0.257	low pollution
Drahovce	Ca+Mg, Mg , Mn	2.490	medium pollution
Dubovany	Mg , NO ₃	0.348	low pollution
Ducové	Mg , Fe, Mn	4.213	medium pollution
Hubina	Mn	1.942	medium pollution
Kočín - Lančár	Mg , NO ₃	0.264	low pollution
Krakovany	Ca+Mg, Mg , Fe, Mn, NO ₃	4.675	medium pollution
Moravany nad Váhom	Mg , Fe, Mn	6.883	high pollution
Nižná	Mg , Fe, NO ₃	1.517	medium pollution
Ostrov	Ca+Mg, Mg , Fe, Mn	3.482	medium pollution

SOIL

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

Cr	0.337	low pollution
Cr	0.351	low pollution
Cr	0.271	low pollution
Cr	0.411	low pollution
Cr	0.304	low pollution
Cr	0.317	low pollution
Cr	0.359	low pollution
Cr	0.320	low pollution
Cr	0.411	low pollution
Cr	0.314	low pollution
Cr	0.357	low pollution
Cr	0.316	low pollution
Cr	0.330	low pollution
Cr	0.400	low pollution
Cr	0.221	low pollution
Cr	0.336	low pollution
Cr	0.327	low pollution
Cr	0.331	low pollution
Cr	0.317	low pollution
Cr	0.243	low pollution
Cr	0.220	low pollution
Cr	0.270	low pollution
Cr	0.383	low pollution
Cr	0.260	low pollution
Cr	0.177	low pollution
Cr	0.142	low pollution
Cr	0.348	low pollution
Cr	0.241	low pollution
Cr	0.237	low pollution
Cr	0.157	low pollution
Cr	0.092	low pollution
Cr	0.308	low pollution
Cr	0.211	low pollution
Cr	0.209	low pollution
Cr	0.378	low pollution

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GROUNDWATER

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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

limit value: NV MZ SR 496/2010

Pečeňady	Mg, Mn, NH ₄ , NO ₃	1.319	medium pollution
Piešťany	Ca+Mg, Mg, Mn	6.503	high pollution
Prašník	Mg	0.000	no pollution
Rakovice	Ca+Mg, Mg, Mn, NO ₃	2.376	medium pollution
Ratnovce	Mg, Mn	1.540	medium pollution
Šípkové	Mg	0.000	no pollution
Sokolovce	Mg, Mn	1.499	medium pollution
Šterusy	Ca+Mg, Mg, Mn, NO ₃	0.774	low pollution
Trebatice	MIN, Ca+Mg, Mg, Mn, NO ₃	5.575	high pollution
Veľké Kostoľany	Mg, NO ₃	0.274	low pollution
Veľké Orvište	Ca+Mg, Mg, Fe, Mn	5.519	high pollution
Veselé	Ca+Mg, Mg, Mn, NO ₃	0.830	low pollution
Vrbové	Ca+Mg, Mg, Mn, NO ₃	2.252	medium pollution
district Senica			
Bílkove Humence	ChSK _{Mn} , Mg, Mn, NO ₃	8.476	high pollution
Borský Mikuláš	ChSK _{Mn} , Fe, Mn, NO ₃	2.831	medium pollution
Borský Svätý Jur	ChSK _{Mn} , Mg, Fe, Mn, NO ₃	5.314	high pollution
Čáry	ChSK _{Mn} , Mg, Mn, NO ₃	2.200	medium pollution
Častkov	Ca+Mg, Mg, NO ₃	0.428	low pollution
Cerová		0.000	no pollution
Dojč	ChSK _{Mn} , Mg, Mn, NO ₃	2.851	medium pollution
Hlboké	Mg, Mn, NO ₃	0.232	low pollution
Hradište pod Vrátnom	Mg, Mn	0.450	low pollution
Jablonica		0.000	no pollution
Koválov	Ca+Mg, Mg, Mn, NO ₃	0.848	low pollution
Kuklov	ChSK _{Mn} , Mg, Mn, NO ₃	2.711	medium pollution
Kúty	ChSK _{Mn} , Mg, Fe, Mn, NO ₃	7.708	high pollution
Lakšárska Nová Ves	ChSK _{Mn} , Mn, NO ₃	11.438	very high pollution
Moravský Svätý Ján	ChSK _{Mn} , Mg, Fe, Mn, NO ₃	7.022	high pollution
Osuské	Mg	0.000	no pollution
Plavecký Peter	NO ₃	0.202	low pollution
Podbranč	Mg	0.000	no pollution
Prietřž	Mg	0.000	no pollution
Prievaly		0.000	no pollution
Rohov	MIN, Ca+Mg, Mg, NO ₃	1.284	medium pollution
Rovensko	MIN, Ca+Mg, Mg, NO ₃	1.020	medium pollution

SOIL

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

Cr	0.236	low pollution
Cr	0.323	low pollution
Cr	0.417	low pollution
Cr	0.249	low pollution
Cr	0.305	low pollution
Cr	0.302	low pollution
Cr	0.320	low pollution
Cr	0.172	low pollution
Cr	0.289	low pollution
Cr	0.245	low pollution
Cr	0.352	low pollution
Cr	0.247	low pollution
Cr	0.274	low pollution
	0.000	no pollution
	0.000	no pollution
	0.000	no pollution
	0.000	no pollution
Cr	0.257	low pollution
Cr	0.076	low pollution
Cr	0.129	low pollution
Cr	0.048	low pollution
Cd, Co	1.673	high pollution
Cr	0.077	low pollution
Cr	0.123	low pollution
	0.000	no pollution
Cr	0.061	low pollution
	0.000	no pollution
Cr	0.119	low pollution
Cr	0.182	low pollution
Cr	0.058	low pollution
Cr	0.278	low pollution
Cr	0.427	low pollution
Cr	0.080	low pollution
Cr	0.265	low pollution
Cr	0.263	low pollution

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GROUNDWATER

I_{ERGw} - index of environmental risk for groundwater;
 groundwater quality: no pollution 0; low pollution >0 ≤ 1; medium pollution >1 ≤ 5; high pollution >5 ≤ 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

Rybky	MIN, Ca+Mg, Mg , NO ₃	1.271	medium pollution
Šajdíkové Humence	ChSK _{Mn} , Fe, Mn, NO ₃	3.164	medium pollution
Šaštín - Stráže	ChSK _{Mn} , Mg , Fe, Mn, NO ₃	5.004	high pollution
Sekule	ChSK _{Mn} , Mg , Fe, Mn, NO ₃	12.786	very high pollution
Senica	Ca+Mg, Mg , Mn, NO ₃	0.988	low pollution
Smolinské	MIN, ChSK _{Mn} , Ca+Mg, Mg , NO ₃	2.270	medium pollution
Smrdáky	Ca+Mg, Mg , NO ₃	1.032	medium pollution
Sobotište	Ca+Mg, Mg , Mn	0.152	low pollution
Štefanov	MIN, ChSK _{Mn} , Ca+Mg, Mg , Mn, NO ₃	4.474	medium pollution
district Skalica			
Brodské	ChSK _{Mn} , Mg , Mn, NO ₃	6.329	high pollution
Chropov	Mg , Mn	0.062	low pollution
Dubovce	Ca+Mg, Mg , Mn, NO ₃	2.192	medium pollution
Gbely	MIN, ChSK _{Mn} , Ca+Mg, Mg , Mn, NO ₃	5.174	high pollution
Holíč	MIN, ChSK _{Mn} , Ca+Mg, Mg , Fe, Mn, NO ₃	9.243	high pollution
Kátov	MIN, Ca+Mg, Mg , Fe, Mn, NO ₃	11.597	very high pollution
Kopčany	MIN, ChSK _{Mn} , Ca+Mg, Mg , Mn, NO ₃	5.739	high pollution
Koválovec	Ca+Mg, Mg , Mn, NO ₃	0.329	low pollution
Letničie	MIN, Ca+Mg, Mg , Mn, NO ₃	2.907	medium pollution
Lopašov	Ca+Mg, Mg , NO ₃	0.653	low pollution
Mokrý Háj	MIN, Ca+Mg, Mg , Mn, NO ₃	1.809	medium pollution
Oreské	Ca+Mg, Mg , NO ₃	0.799	low pollution
Petrova Ves	MIN, ChSK _{Mn} , Ca+Mg, Mg , Mn, NO ₃	2.712	medium pollution
Popudinské Močidl'any	MIN, Ca+Mg, Mg , Mn, NO ₃	1.599	medium pollution
Prietržka	MIN, Ca+Mg, Mg , Mn, NO ₃	1.750	medium pollution
Radimov	Ca+Mg, Mg , Mn, NO ₃	1.311	medium pollution
Radošovce	Ca+Mg, Mg , Mn, NO ₃	1.753	medium pollution
Skalica	MIN, Ca+Mg, Mg , Mn, NO ₃	1.276	medium pollution
Trnovec	MIN, Ca+Mg, Mg , Mn, NO ₃	2.239	medium pollution
Unín	Ca+Mg, Mg , Mn, NO ₃ ,	0.923	low pollution
Vrádište	MIN, Ca+Mg, Mg , Fe, Mn, NO ₃	4.470	medium pollution
district Trnava			
Biely Kostol	MIN, Ca+Mg, Mg , NO ₃	1.553	medium pollution
Bíňovce	Ca+Mg, Mg , Mn, NO ₃	2.148	medium pollution
Bohdanovce nad Trnavou	Ca+Mg, Mg , NO ₃	1.056	medium pollution
Boleráz	Ca+Mg, Mg , Mn, NO ₃	1.385	medium pollution

SOIL

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

Cr	0.172	low pollution
	0.000	no pollution
	0.000	no pollution
Cr	0.120	low pollution
Cr	0.089	low pollution
	0.000	no pollution
Cr	0.170	low pollution
Cr	0.282	low pollution
Cr	0.126	low pollution
	0.000	no pollution
Cr	0.297	low pollution
Cr	0.115	low pollution
	0.000	no pollution
Cr	0.083	low pollution
Cr	0.163	low pollution
	0.000	no pollution
Cr	0.327	low pollution
Cr	0.076	low pollution
Cr	0.265	low pollution
Cr	0.211	low pollution
Cr	0.238	low pollution
Cr	0.024	low pollution
Cr	0.075	low pollution
Cr	0.061	low pollution
Cr	0.048	low pollution
Cr	0.249	low pollution
Cr	0.230	low pollution
Cr	0.029	low pollution
Cr	0.113	low pollution
Cr	0.128	low pollution
Cr	0.234	low pollution
Cr	0.206	low pollution
Cr	0.238	low pollution
Cr	0.196	low pollution

Evaluated environmental indicators - Trnava region

GROUNDWATER

I_{ERGw} - index of environmental risk for groundwater;
 groundwater quality: no pollution 0; low pollution >0 ≤ 1; medium pollution >1 ≤ 5; high pollution >5 ≤ 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

Borová	Ca+Mg, Mg, NO ₃	0.933	low pollution
Brestovany	Ca+Mg, Mg, Fe, Mn, NO ₃	5.493	high pollution
Bučany	MIN, Ca+Mg, Mg, Fe, Mn, NO ₃	5.095	high pollution
Buková	Mg	0.000	no pollution
Cífer	MIN, Ca+Mg, Mg, NO ₂ , NO ₃	2.909	medium pollution
Dechtice	Mg, NO ₃	0.031	low pollution
Dlhá	Ca+Mg, Mg, NO ₃	0.842	low pollution
Dobrá Voda	Mg, Fe, Mn	1.720	medium pollution
Dolná Krupá	MIN, Ca+Mg, Mg, Mn, NO ₃	3.109	medium pollution
Dolné Dubové	MIN, Ca+Mg, Mg, Mn, NO ₃	2.415	medium pollution
Dolné Lovčice	Ca+Mg, Mg, Fe, Mn, NO ₃	2.831	medium pollution
Dolné Orešany	Mg, NO ₃	0.407	low pollution
Horná Krupá	ChSK _{min} , Ca+Mg, Mg, Mn, NO ₃	1.872	medium pollution
Horné Dubové	Ca+Mg, Mg, Mn, NO ₃	1.879	medium pollution
Horné Orešany	NO ₃	0.403	low pollution
Hrnčiarovce nad Parnou	Ca+Mg, Mg, Mn, NO ₂ , NO ₃	1.304	medium pollution
Jaslovské Bohunice	MIN, Ca+Mg, Mg, Mn, NO ₃	4.232	medium pollution
Kátlovce	Ca+Mg, Mg, NO ₃	1.087	medium pollution
Košolná	Ca+Mg, Mg, NO ₃	1.334	medium pollution
Križovany nad Dudváhom	MIN, Ca+Mg, Mg, Mn, NO ₃	2.741	medium pollution
Lošonec		0.000	no pollution
Majcichov	MIN, Ca+Mg, Mg, Mn, NO ₂ , NO ₃ , Pb	4.262	medium pollution
Malženice	Ca+Mg, Mg, Mn, NO ₃	5.368	high pollution
Naháč	Mg, Mn	0.105	low pollution
Opoj	MIN, Ca+Mg, Mg, Mn, NO ₂ , NO ₃	3.102	medium pollution
Pavlice	Ca+Mg, Mg, Mn, NO ₂ , NO ₃	1.957	medium pollution
Radošovce	Ca+Mg, Mg, Fe, NO ₃	1.520	medium pollution
Ružindol	MIN, Ca+Mg, Mg, NO ₃	1.880	medium pollution
Šelpice	Ca+Mg, Mg, NO ₃	1.000	medium pollution
Slovenská Nová Ves	MIN, Ca+Mg, Mg, NO ₂ , NO ₃	3.382	medium pollution
Smolenice	Mg, NO ₃	0.079	low pollution
Špačince	Ca+Mg, Mg, Mn, NO ₃	6.611	high pollution
Suchá nad Parnou	Ca+Mg, Mg, NO ₃	1.333	medium pollution
Šúrovce	MIN, Ca+Mg, Mg, SO ₄ , NO ₃	7.207	high pollution
Trnava	Ca+Mg, Mg, Mn, NO ₃	1.764	medium pollution
Trstín	Mg, NO ₃	0.015	low pollution

SOIL

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

Cr	0.262	low pollution
Cr	0.294	low pollution
Cr	0.262	low pollution
Cr	0.051	low pollution
Cr	0.195	low pollution
Cr	0.204	low pollution
Cr	0.173	low pollution
Cd, Co	0.932	medium pollution
Cr	0.263	low pollution
Cr	0.279	low pollution
Cr	0.291	low pollution
Cr	0.012	low pollution
Cr	0.196	low pollution
Cr	0.268	low pollution
Cr	0.010	low pollution
Cr	0.224	low pollution
Cr	0.237	low pollution
Cr	0.248	low pollution
Cr	0.176	low pollution
Cr	0.263	low pollution
	0.000	no pollution
Cr	0.203	low pollution
Cr	0.236	low pollution
Cr	0.122	low pollution
Cr	0.255	low pollution
Cd, Co	2.234	high pollution
Cr	0.229	low pollution
Cr	0.237	low pollution
Cr	0.218	low pollution
Cr	0.142	low pollution
Cr	0.059	low pollution
Cr	0.234	low pollution
Cr	0.214	low pollution
Cr	0.286	low pollution
Cr	0.240	low pollution
Cr	0.063	low pollution

Evaluated environmental indicators - Trnava 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

Vičkovce	MIN, Ca+Mg, Mg , Fe, Mn, NO ₃	4.266	medium pollution
Voderady	MIN, Ca+Mg, Mg , NO ₂ , NO ₃	2.700	medium pollution
Zavar	Ca+Mg, Mg , Mn, NO ₃	1.458	medium pollution
Zeleneč	MIN, Ca+Mg, Mg , Mn, NO ₂ , NO ₃	2.804	medium pollution
Zvončín	MIN, Ca+Mg, Mg , NO ₃	1.784	medium 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

Cr	0.213	low pollution
Co	0.769	medium pollution
Cr	0.273	low pollution
Cr	0.219	low pollution
Cr	0.221	low pollution