

Evaluated environmental indicators - Prešov 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 Bardejov			
Abrahámovce	Fe, Mn	4.063	medium pollution
Andrejová		0.000	no pollution
Bardejov		0.000	no pollution
Bartošovce	Fe, Mn	2.154	medium pollution
Becherov		0.000	no pollution
Beloveža	Mn	1.158	medium pollution
Bogliarka		0.000	no pollution
Brezov	Fe, Mn	3.391	medium pollution
Brezovka	Mn, As	0.999	low pollution
Buclovany	Fe, Mn	4.717	medium pollution
Chmeľová		0.000	no pollution
Cigeľka		0.000	no pollution
Dubinné	Mn	0.054	low pollution
Frička		0.000	no pollution
Fričkovce	Fe, Mn	0.432	low pollution
Gabolto		0.000	no pollution
Gerlachov		0.000	no pollution
Hankovce		0.000	no pollution
Harhaj	Fe, Mn	3.175	medium pollution
Hažlín	Mn, As	1.945	medium pollution
Hertník	Mn	0.202	low pollution
Hervartov		0.000	no pollution
Hrabovec	Mn	0.629	low pollution
Hrabské		0.000	no pollution
Hutka		0.000	no pollution
Janovce	Fe, Mn	2.398	medium pollution
Jedlinka		0.000	no pollution
Kľušov	Mn	0.168	low pollution
Kobyly	Mn	0.820	low pollution
Kochanovce	Fe, Mn	2.437	medium pollution
Komárov		0.000	no pollution
Koprivnica	Fe, Mn	4.635	medium pollution
Kožany	Mn	1.231	medium pollution
Krivé		0.000	no pollution

SOIL

I_{ER_S} - 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_{ER_S}	soil quality
Cr	0.540	medium pollution
Co, Cr	1.887	high pollution
Co, Cr	0.915	medium pollution
Cr	0.566	medium pollution
Cr	1.659	high pollution
Co, Cr	2.193	high pollution
Cd, Cr	0.684	medium pollution
Cr	0.482	low pollution
Co, Cr	1.566	high pollution
Cr	0.543	medium pollution
Cr	1.664	high pollution
Cr	1.019	high pollution
Cr	0.822	medium pollution
Cr	0.510	medium pollution
Cd, Cr	0.807	medium pollution
Cr	0.858	medium pollution
Cr	0.463	low pollution
Cr	0.704	medium pollution
Cr	0.670	medium pollution
Co, Cr	1.762	high pollution
Cd, Cr	0.779	medium pollution
Cd, Cr	0.790	medium pollution
Co, Cr	1.679	high pollution
Cr	0.449	low pollution
Cr	0.826	medium pollution
Cr	0.537	medium pollution
Cr	1.198	high pollution
Cr	0.443	low pollution
Cr	0.528	medium pollution
Cr	0.574	medium pollution
Co, Cr	1.724	high pollution
Cr	0.597	medium pollution
Cr	0.704	medium pollution
Cd, Cr	0.610	medium pollution

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Kříže		0.000	no pollution
Kružlov		0.000	no pollution
Kučín	Mn	1.769	medium pollution
Kurima	Mn	1.349	medium pollution
Kurov		0.000	no pollution
Lascov	Fe, Mn	1.294	medium pollution
Lenartov		0.000	no pollution
Lipová	Mn	0.206	low pollution
Livov		0.000	no pollution
Livovská Huta	Mg	0.000	no pollution
Lopúchov	Fe, Mn	2.033	medium pollution
Lukavica		0.000	no pollution
Lukov		0.000	no pollution
Malcov		0.000	no pollution
Marhaň	Fe, Mn,	1.684	medium pollution
Mikulášová		0.000	no pollution
Mokroluh		0.000	no pollution
Nemcovce	Mn	0.664	low pollution
Nižná Polianka		0.000	no pollution
Nižná Voľa		0.000	no pollution
Nižný Tvarožec		0.000	no pollution
Oľšavce	Mn	0.684	low pollution
Ondavka		0.000	no pollution
Ortuťová	As	0.469	low pollution
Osikov	Fe, Mn	1.697	medium pollution
Petrová		0.000	no pollution
Poliakovce		0.000	no pollution
Porúbka	Fe, Mn	1.628	medium pollution
Raslavice	Fe, Mn	2.165	medium pollution
Regetovka		0.000	no pollution
Rešov		0.000	no pollution
Richvald		0.000	no pollution
Rokytov		0.000	no pollution
Šarišské Čierne	Mn	0.414	low pollution
Šašová	Mn	0.319	low pollution
Šiba		0.000	no pollution

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

Cd, Cr	2.110	high pollution
Cd, Cr	0.415	low pollution
Cr	0.730	medium pollution
Cr	0.817	medium pollution
Cr	0.607	medium pollution
Cr	0.562	medium pollution
Cd, Cr	1.173	high pollution
Cr	0.892	medium pollution
Cd, Cr	2.541	high pollution
Cd, Cr	3.495	high pollution
Cr	0.562	medium pollution
Co, Cr	1.115	high pollution
Cd, Cr	0.843	medium pollution
Cd, Cr	0.612	medium pollution
Cr	0.677	medium pollution
Cr	0.975	medium pollution
Cd, Cr	0.624	medium pollution
Cr	0.729	medium pollution
Cr	0.908	medium pollution
Cr	0.588	medium pollution
Cr	1.172	high pollution
Cr	0.603	medium pollution
Cr	1.590	high pollution
Cr	0.932	medium pollution
Cr	0.518	medium pollution
Cr	0.648	medium pollution
Co, Cr	1.055	high pollution
Cr	0.681	medium pollution
Cr	0.506	medium pollution
Cr	1.823	high pollution
Cr	0.513	medium pollution
Cd, Cr	0.682	medium pollution
Cd, Cr	0.663	medium pollution
Co, Cr	1.793	high pollution
Cr	0.930	medium pollution
Cd, Cr	0.944	medium pollution

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Smilno		0.000	no pollution
Snakov		0.000	no pollution
Stebnícka Huta		0.000	no pollution
Stebník		0.000	no pollution
Stuňany	Fe, Mn	2.902	medium pollution
Sveržov		0.000	no pollution
Tarnov		0.000	no pollution
Tročany	Fe, Mn	2.331	medium pollution
Vaniškovce	Fe, Mn	2.935	medium pollution
Varadka		0.000	no pollution
Vyšná Polianka		0.000	no pollution
Vyšná Voľa		0.000	no pollution
Vyšný Kručov	Fe, Mn	3.324	medium pollution
Vyšný Tvarožec		0.000	no pollution
Zborov		0.000	no pollution
Zlaté		0.000	no pollution
district Humenné			
Adidovce	Mn	5.172	high pollution
Baškovce		0.000	no pollution
Brekov	Fe, Mn	2.294	medium pollution
Brestov	Mn	0.701	low pollution
Černina		0.000	no pollution
Chlmec	Mn	0.012	low pollution
Dedačov	Fe, Mn	3.478	medium pollution
Gruzovce	Mn	0.696	low pollution
Hankovce	Fe, Mn	3.625	medium pollution
Hažín nad Cirochou	ChSK _{Mn} , Mg , Mn	0.514	low pollution
Hrabovec nad Laborcom		0.000	no pollution
Hrubov	Mn	0.115	low pollution
Hudcovce	Fe, Mn	5.126	high pollution
Humenné	Fe, Mn	2.131	medium pollution
Jabloň	Fe, Mn	1.182	medium pollution
Jankovce	NO ₂	0.074	low pollution
Jasenov	Mn	0.538	low pollution
Kamenica nad Cirochou	ChSK _{Mn} , Mn	1.576	medium pollution
Kamienka	ChSK _{Mn}	0.121	low pollution
Karná	Mn, NO ₂	2.210	medium pollution

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Cr	1.215	high pollution
Cr	0.439	low pollution
Cr	1.843	high pollution
Cr	1.600	high pollution
Cr	0.589	medium pollution
Cr	0.739	medium pollution
Cd, Cr	0.652	medium pollution
Cr	0.509	medium pollution
Cr	0.529	medium pollution
Cr	1.089	high pollution
Cr	1.376	high pollution
Co, Cr	0.790	medium pollution
Cr	0.634	medium pollution
Cr	1.403	high pollution
Cr	1.374	high pollution
Cr	1.019	high pollution
Cr	0.323	low pollution
Cr	0.734	medium pollution
Cr	0.663	medium pollution
Cr	0.464	low pollution
Cr	0.478	low pollution
Cr	0.432	low pollution
Cr	0.273	low pollution
Cr	0.612	medium pollution
Cr	0.298	low pollution
Cr	0.391	low pollution
Cr	0.360	low pollution
Cr	0.347	low pollution
Cr	0.762	medium pollution
Cr	0.428	low pollution
Cr	0.344	low pollution
Cr	0.392	low pollution
Cr	0.455	low pollution
Cr	0.370	low pollution
Cr	0.357	low pollution
Cr	0.838	medium pollution

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Kochanovce	Fe, Mn	6.614	high pollution
Košarovce	Mn, NO ₂	2.768	medium pollution
Koškovce	Fe, Mn	2.617	medium pollution
Lackovce	Mg , Fe, Mn	3.602	medium pollution
Lieskovec	Mn, NO ₂	0.574	low pollution
Ľubiša	Fe, Mn	4.042	medium pollution
Lukačovce	Mn, NO ₂	3.101	medium pollution
Maškovce	Mn	3.594	medium pollution
Modra nad Cirochou	ChSK _{Mn} , Mn	3.685	medium pollution
Myslina	Mn	0.191	low pollution
Nechválava Polianka	Mn	2.583	medium pollution
Nižná Jablonka	Fe, Mn	2.419	medium pollution
Nižná Sitnica		0.000	no pollution
Nižné Ladičkovce	Mn	0.571	low pollution
Ohradzany	Mn	1.097	medium pollution
Pakostov	Mn	0.187	low pollution
Papín	Mn	0.248	low pollution
Porúbka		0.000	no pollution
Prituľany	Mn	1.612	medium pollution
Ptičie	Mn	0.335	low pollution
Rohožník	Mn	0.910	low pollution
Rokytov pri Humennom		0.000	no pollution
Rovné	Mn	5.358	high pollution
Ruská Kajňa	Mn	1.116	medium pollution
Ruská Poruba	Mn	1.631	medium pollution
Slovenská Volová	Mn	1.321	medium pollution
Slovenské Krivé	Mn	0.286	low pollution
Sopkovce		0.000	no pollution
Topoľovka	Fe, Mn	2.547	medium pollution
Turcovce		0.000	no pollution
Udavské	Fe, Mn	6.898	high pollution
Valaškovce (vojenský obvod)	Ca+Mg , Ca, Mg	0.000	no pollution
Veľopolie	Fe, Mn	5.218	high pollution
Vít'azovce	Mn, NO ₂	2.825	medium pollution
Vyšná Jablonka	Fe, Mn	1.313	medium pollution
Vyšná Sitnica	Mn, SO ₄	0.341	low pollution

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Cr	0.437	low pollution
Cr	0.440	low pollution
Cr	0.312	low pollution
Cr	0.411	low pollution
Cr	0.754	medium pollution
Cr	0.320	low pollution
Cr	0.584	medium pollution
Cr	0.264	low pollution
Cr	0.355	low pollution
Cr	0.550	medium pollution
Cr	0.345	low pollution
Cr	0.349	low pollution
Cr	0.344	low pollution
Cr	0.417	low pollution
Cr	0.813	medium pollution
Cr	0.332	low pollution
Cr	0.321	low pollution
Cr	0.345	low pollution
Cr	0.439	low pollution
Cr	0.399	low pollution
Cr	0.464	low pollution
Cr	0.355	low pollution
Cr	0.328	low pollution
Cr	0.352	low pollution
Cr	0.377	low pollution
Cr	0.765	medium pollution
Cr	0.348	low pollution
Cr	0.617	medium pollution
Cr	0.744	medium pollution
Cr	0.453	low pollution
Cr	0.395	low pollution
Cr	0.233	low pollution
Cr	0.327	low pollution
Cr	0.792	medium pollution
Cr	0.447	low pollution
Cr	0.346	low pollution

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Vyšné Ladičkovce		0.000	no pollution
Vyšný Hrušov	Mn	5.120	high pollution
Závada	Mn	0.719	low pollution
Závadka	Mn	0.113	low pollution
Zbudské Dlhé	Mn	0.733	low pollution
Zubné	Mn	2.906	medium pollution
district Kežmarok			
Abrahámovce	Mg	0.000	no pollution
Bušovce		0.000	no pollution
Červený Kláštor	Cd	0.807	low pollution
Havka		0.000	no pollution
Holumnica		0.000	no pollution
Hradisko		0.000	no pollution
Huncovce	Fe, Mn	3.726	medium pollution
Ihľany		0.000	no pollution
Javorina (vojenský obvod)		0.000	no pollution
Jezersko		0.000	no pollution
Jurské		0.000	no pollution
Kežmarok	ChSK _{Mn} , Fe, Mn	8.696	high pollution
Križová Ves		0.000	no pollution
Lechnica	Cd	0.917	low pollution
Lendak		0.000	no pollution
Ľubica	Fe, Mn	3.726	medium pollution
Majere	Cd	0.470	low pollution
Malá Franková		0.000	no pollution
Malý Slavkov	Fe, Mn	5.346	high pollution
Matiašovce		0.000	no pollution
Mlynčeky	Fe, Mn	3.554	medium pollution
Osturňa		0.000	no pollution
Podhorany	Mn	0.228	low pollution
Rakúsy		0.000	no pollution
Reľov		0.000	no pollution
Slovenská Ves		0.000	no pollution
Spišská Belá		0.000	no pollution
Spišská Stará Ves	Cd	0.128	low pollution
Spišské Hanušovce		0.000	no pollution
Stará Lesná	Mg, Fe, Mn	2.520	medium pollution

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Cr	0.385	low pollution
Cr	0.279	low pollution
Cr	0.437	low pollution
Cr	0.656	medium pollution
Cr	0.324	low pollution
Cr	0.344	low pollution
Cr	0.661	medium pollution
Cd, Cr	0.652	medium pollution
Cd, Cr, Ni	7.108	very high pollution
Cd, Cr, Ni	9.038	very high pollution
Cd, Cr	2.270	high pollution
Cr	0.700	medium pollution
Cr	0.170	low pollution
Cr	0.354	low pollution
Cd, Cr	0.793	medium pollution
Cd, Co, Cr	8.501	very high pollution
Cd, Cr	0.801	medium pollution
Cr	0.604	medium pollution
Cr	0.392	low pollution
Cd, Cr, Ni	8.054	very high pollution
Cd, Co, Cr	3.810	high pollution
Co, Cr	1.195	high pollution
Cd, Cr	6.824	very high pollution
Cd, Co, Cr	9.850	very high pollution
Cr	0.221	low pollution
Cd, Cr	7.928	very high pollution
Cr	0.570	medium pollution
Cd, Co, Cr	9.705	very high pollution
Cd, Cr, Se	2.846	high pollution
Cr	0.397	low pollution
Cd, Co, Cr	9.363	very high pollution
Cd, Co, Cr, Se	5.619	very high pollution
Cr	0.511	medium pollution
Cd, Cr	6.838	very high pollution
Cd, Co, Cr	8.805	very high pollution
	0.000	no pollution

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Stráne pod Tatrami	Fe, Mn	2.382	medium pollution
Toporec	NH ₄	0.138	low pollution
Tvarožná		0.000	no pollution
Veľká Franková		0.000	no pollution
Veľká Lomnica	Fe, Mn	1.045	medium pollution
Vlková		0.000	no pollution
Vlkovce		0.000	no pollution
Vojňany		0.000	no pollution
Vrbov	Fe, Mn	0.949	low pollution
Výborná		0.000	no pollution
Žakovce	Mg	0.000	no pollution
Zálesie		0.000	no pollution
district Levoča			
Baldovce	Mg , Mn, NO ₃	0.268	low pollution
Beharovce	Sb	4.113	medium pollution
Bijacovce	Sb	0.139	low pollution
Brutovce	ChSK _{Mn} , Sb	4.872	medium pollution
Buglovce	Mg , Mn	0.036	low pollution
Dlhé Stráže		0.000	no pollution
Doľany		0.000	no pollution
Domaňovce	Mg	0.000	no pollution
Dravce	Mg	0.000	no pollution
Dúbrava	Fe, Mn, Sb	5.080	high pollution
Granč - Petrovce	Sb	5.538	high pollution
Harakovce	Sb	3.322	medium pollution
Jablonov		0.000	no pollution
Klčov		0.000	no pollution
Korytné	Sb	0.955	low pollution
Kurimany	Mg , Mn, NO ₃	1.105	medium pollution
Levoča	Mn	0.588	low pollution
Lúčka		0.000	no pollution
Nemešany	Mg	0.000	no pollution
Nižné Repaše	ChSK _{Mn} , Sb	2.531	medium pollution
Ofšavica	ChSK _{Mn} , Sb	5.594	high pollution
Ordzovany		0.000	no pollution
Pavľany	Sb	1.226	medium pollution
Poľanovce		0.000	no pollution

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Cr	0.356	low pollution
Cd, Cr, Ni	8.461	very high pollution
Co, Cr	1.208	high pollution
Cd, Co, Cr	9.356	very high pollution
Cr	0.010	low pollution
Cr	0.617	medium pollution
Cr	0.748	medium pollution
Cd, Cr, Se	5.923	very high pollution
Cr	0.652	medium pollution
Cd, Co, Cr	3.772	high pollution
Cr	0.273	low pollution
Cd, Co, Cr	9.774	very high pollution
Cr	0.624	medium pollution
Cd, Co, Cr	5.129	very high pollution
Cr	0.513	medium pollution
Cr	0.642	medium pollution
Cr, Hg	0.795	medium pollution
Cr	0.718	medium pollution
Cr	0.640	medium pollution
Cr, Hg	3.241	high pollution
Cr	0.716	medium pollution
As, Cd, Co, Cr, Cu, Hg, Zn	10.745	very high pollution
Cd, Co, Cr	5.734	very high pollution
Cd, Co, Cr	6.245	very high pollution
Cr	0.699	medium pollution
Cr	0.680	medium pollution
Cd, Cr, Zn	2.729	high pollution
Cr	0.687	medium pollution
Cr	0.643	medium pollution
Cr	0.657	medium pollution
Cr	0.692	medium pollution
Cr	0.703	medium pollution
Cr	0.636	medium pollution
Cr	0.579	medium pollution
Cr	0.709	medium pollution
Cr, Hg, Zn	0.494	low pollution

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Pongrácovce	Sb	1.141	medium pollution
Spišské Podhradie	NO ₃	0.163	low pollution
Spišský Hrhov	Mn	0.087	low pollution
Spišský Štvrtok	Ca+Mg, Mg, Mn, NO ₃	0.344	low pollution
Studenec		0.000	no pollution
Torysky		0.000	no pollution
Uloža		0.000	no pollution
Vyšné Repaše		0.000	no pollution
Vyšný Slavkov		0.000	no pollution
district Medzilaborce			
Brestov nad Laborcom		0.000	no pollution
Čabalovce		0.000	no pollution
Čabiny	Mn	0.265	low pollution
Čertižné		0.000	no pollution
Habura		0.000	no pollution
Kalinov		0.000	no pollution
Krásny Brod	Fe, Mn	1.099	medium pollution
Medzilaborce		0.000	no pollution
Ňagov		0.000	no pollution
Oľka	Mn	1.440	medium pollution
Oľšinkov		0.000	no pollution
Palota		0.000	no pollution
Radvaň nad Laborcom		0.000	no pollution
Repejov	Mn	1.189	medium pollution
Rokytovce	Mn	0.729	low pollution
Roškovce	Mn	0.845	low pollution
Sukov	Fe, Mn	1.234	medium pollution
Svetlice	Mn	0.191	low pollution
Valentovce		0.000	no pollution
Volica		0.000	no pollution
Výrava		0.000	no pollution
Zbojné	ChSK _{Mn}	0.023	low pollution
Zbudská Belá		0.000	no pollution
district Poprad			
Batizovce	Fe, Mn	2.374	medium pollution
Gánovce	Fe, Mn	1.029	medium pollution
Gerlachov	Fe, Mn	1.919	medium pollution

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Cr	0.382	low pollution
Cd, Cr	0.765	medium pollution
Cr	0.644	medium pollution
Cr	0.621	medium pollution
Cr	0.593	medium pollution
Cr	0.719	medium pollution
Cr	0.660	medium pollution
Cr	0.737	medium pollution
Cr	0.690	medium pollution
district Medzilaborce		
Cr	0.372	low pollution
Cd, Co, Cr	1.749	high pollution
Cr	0.422	low pollution
Cr	0.554	medium pollution
Cr	0.505	medium pollution
Cd, Co, Cr	0.913	medium pollution
Cd, Co, Cr, Se	2.445	high pollution
Cd, Co, Cr	1.790	high pollution
Cd, Co, Cr, Se	2.494	high pollution
Cr	0.461	low pollution
Cr	0.412	low pollution
Cd, Co, Cr	1.556	high pollution
Cr	0.435	low pollution
Cr	0.435	low pollution
Cd, Co, Cr, Se	2.123	high pollution
Cd, Co, Cr	1.461	high pollution
Cd, Co, Cr	1.530	high pollution
Cr	0.425	low pollution
Cr	0.467	low pollution
Cr	0.473	low pollution
Cr	0.380	low pollution
Cr	0.384	low pollution
Cr	0.457	low pollution
district Poprad		
	0.000	no pollution
Cd, Co, Cr	0.407	low pollution
Co	1.652	high pollution

Evaluated environmental indicators - Prešov 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

Hôrka	Ca+Mg, Mg, Mn	0.052	low pollution
Hozelec	Mg, Fe	0.086	low pollution
Hranovnica		0.000	no pollution
Jánovce	Ca+Mg, Mg, Mn	0.272	low pollution
Kravany	Mn	0.164	low pollution
Liptovská Teplička	Ca	0.000	no pollution
Lučivná	Mn	0.987	low pollution
Mengusovce	ChSK _{Mn} , Mn	1.475	medium pollution
Mlynica	Fe, Mn	2.180	medium pollution
Nová Lesná	ChSK _{Mn} , Fe, Mn	6.379	high pollution
Poprad	Mg, Fe, Mn	3.684	medium pollution
Spišská Teplica	Fe, Mn	2.826	medium pollution
Spišské Bystré	Fe, Mn	2.118	medium pollution
Spišský Štiavnik	Mn	0.032	low pollution
Štôla	ChSK _{Mn} , Ca+Mg, Ca, Mg, Mn	0.369	low pollution
Štrba	Mn	5.776	high pollution
Šuňava	Mn	1.566	medium pollution
Švábovce	Ca+Mg, Mg	0.000	no pollution
Svit	Fe, Mn	3.871	medium pollution
Tatranská Javorina	Ca+Mg, Ca, Mg	0.000	no pollution
Veľký Slavkov	ChSK _{Mn} , Fe, Mn	4.031	medium pollution
Vernár		0.000	no pollution
Vikartovce	Ca+Mg, Ca, Mg	0.000	no pollution
Vydrník	ChSK _{Mn} , Ca+Mg, Mg, Mn	1.270	medium pollution
Vysoké Tatry	Ca+Mg, Ca, Mg, Fe	2.449	medium pollution
Ždiar		0.000	no pollution

district Prešov

Abranovce		0.000	no pollution
Bajerov	Mn	2.133	medium pollution
Bertotovce	Mg	0.000	no pollution
Brestov		0.000	no pollution
Bretejovce	Mg, Fe, Mn, NO ₃	5.767	high pollution
Brežany	Mg, Mn	1.732	medium pollution
Bzenov	Mn	11.843	very high pollution
Čelovce		0.000	no pollution
Červenica	pH, Ca+Mg, Ca, Mg, Fe, Mn, Al	6.016	high pollution
Chmeľov	Mg	0.000	no 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	0.271	low pollution
Cr	0.182	low pollution
Cd, Cr	0.625	medium pollution
Cr	0.509	medium pollution
Cd,	2.296	high pollution
	0.000	no pollution
Cd,	0.049	low pollution
Co	0.337	low pollution
Cr	0.255	low pollution
Co	1.254	high pollution
Cd, Co, Cr	0.702	medium pollution
Cd, Co	5.999	very high pollution
Cd,	2.957	high pollution
Cr	0.154	low pollution
Co	1.052	high pollution
Co, Cr	0.185	low pollution
	0.000	no pollution
Cr	0.223	low pollution
Cd, Co	2.759	high pollution
Cd, Co, F, Se	4.121	high pollution
Co, Cr	0.776	medium pollution
Cd,	0.206	low pollution
Cd,	0.018	low pollution
Cr	0.352	low pollution
Cd, Co	1.841	high pollution
Cd, Co, Cr, F	6.229	very high pollution
	0.000	no pollution
Cr	0.517	medium pollution
Cr	0.631	medium pollution
Cr	0.079	low pollution
Cr	0.249	low pollution
Cr	0.558	medium pollution
Cr	0.513	medium pollution
Cr	0.493	low pollution
Cd, Co	0.324	low pollution
Cr	0.567	medium pollution

Evaluated environmental indicators - Prešov region

GROUNDWATER

I_{ER_{GW}} - 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

Chmeľovec	Fe, Mn	2.902	medium pollution
Chmiňany	Mg	0.000	no pollution
Chminianska Nová Ves	Mg	0.000	no pollution
Chminianske Jakubovany	Mg	0.000	no pollution
Demjata	Mn	0.059	low pollution
Drienov	Fe, Mn	1.791	medium pollution
Drienovská Nová Ves	Mg, Mn	0.359	low pollution
Dulova Ves	Mn	0.256	low pollution
Fintice	Fe, Mn	2.756	medium pollution
Fričovce	Mg, Mn	0.406	low pollution
Fulianka	Fe, Mn, NO ₃	11.308	very high pollution
Geraltov	Fe	0.785	low pollution
Gregorovce	Fe	1.597	medium pollution
Haniska	Fe, Mn	3.178	medium pollution
Hendrichovce	Mg	0.000	no pollution
Hermanovce		0.000	no pollution
Hrabkov		0.000	no pollution
Janov	Mn	8.026	high pollution
Janovík	Mg, Fe, Mn, NO₃	7.262	high pollution
Kapušany	Fe, Mn, NO ₃	8.458	high pollution
Kendice	Fe, Mn	2.705	medium pollution
Klenov		0.000	no pollution
Kojatice	Mg, Mn	5.910	high pollution
Kokošovce	Mn	0.235	low pollution
Križovany	Mg, NO₃	0.006	low pollution
Kvačany		0.000	no pollution
Lada	ChSK _{Mn} , Fe, Mn	6.179	high pollution
Lažany	Ca+Mg, Mg	0.000	no pollution
Lemešany	Mg, Fe, Mn	6.162	high pollution
Lesíček	Ca+Mg, Ca, Mg	0.000	no pollution
Ličartovce	Mg, Mn	0.002	low pollution
Lipníky	Mg	0.000	no pollution
Lipovce		0.000	no pollution
Ľubotice	NO ₃	0.116	low pollution
Ľubovec	Mg, Mn	10.004	very high pollution
Lúčina	Ca+Mg, Ca, Mg, Fe, Mn, Al	3.458	medium pollution

SOIL

I_{ER_S} - 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	0.487	low pollution
Cr	0.587	medium pollution
Cr	0.647	medium pollution
Cr	0.605	medium pollution
Cr	0.507	medium pollution
Cr	0.485	low pollution
Cr	0.565	medium pollution
Cr	0.274	low pollution
Cr	0.461	low pollution
Cr	0.640	medium pollution
Cr	0.389	low pollution
Cr	0.469	low pollution
Cr	0.726	medium pollution
Cr	0.569	medium pollution
Cr	0.648	medium pollution
Cr	0.685	medium pollution
Cr, Hg	1.066	high pollution
Cr	0.464	low pollution
Cr	0.371	low pollution
Cr	0.358	low pollution
Cr	0.574	medium pollution
As, Cr, Hg	1.542	high pollution
Cr	0.572	medium pollution
Cr	0.046	low pollution
Cr	0.611	medium pollution
Cr	0.561	medium pollution
Cr	0.491	low pollution
Cr	0.686	medium pollution
Cr	0.378	low pollution
	0.000	no pollution
Cr	0.490	low pollution
Cr	0.837	medium pollution
Cr	0.688	medium pollution
Cr	0.412	low pollution
Cr	0.430	low pollution
	0.000	no pollution

Evaluated environmental indicators - Prešov region

GROUNDWATER

I_{ER_{GW}} - 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

Malý Šariš	Mg, Mn	0.507	low pollution
Malý Slivník		0.000	no pollution
Medzany	Mg	0.000	no pollution
Miklušovce		0.000	no pollution
Mirkovce		0.000	no pollution
Mošurov	Fe	0.513	low pollution
Nemcovce	ChSK _{Mn} , Fe, Mn	3.938	medium pollution
Okružná	ChSK _{Mn}	0.083	low pollution
Ondrašovce	Mg	0.000	no pollution
Ovčie		0.000	no pollution
Petrovany	Fe, Mn	1.523	medium pollution
Podhorany	Fe, Mn	5.220	high pollution
Podhradík		0.000	no pollution
Prešov	Mg, Mn	2.650	medium pollution
Proč		0.000	no pollution
Pušovce		0.000	no pollution
Radatice	Mg, Mn	6.084	high pollution
Rokycany	Mn	8.918	high pollution
Ruská Nová Ves		0.000	no pollution
Šarišská Poruba	ChSK _{Mn}	0.070	low pollution
Šarišská Trstená	Fe	0.338	low pollution
Šarišské Bohdanovce	Fe, Mn	5.011	high pollution
Sedlice	Mn	2.413	medium pollution
Seniakovce	Mg, Fe, Mn, NO ₃	4.645	medium pollution
Šindliar		0.000	no pollution
Široké	Fe, Mn	1.848	medium pollution
Štefanovce		0.000	no pollution
Suchá Dolina	Mn	10.193	very high pollution
Svinia	Ca+Mg, Mg	0.000	no pollution
Teriakovce	NO ₃	0.167	low pollution
Terňa	Fe	1.127	medium pollution
Trnkov	ChSK _{Mn} , Fe, Mn	2.803	medium pollution
Tuhrina	Mg, Fe	0.358	low pollution
Tulčík	Fe, Mn	5.570	high pollution
Varhaňovce	Mn	0.028	low pollution
Veľký Šariš	Mg	0.000	no pollution

SOIL

I_{ER_S} - 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	0.640	medium pollution
Cr	0.498	low pollution
Cr	0.641	medium pollution
Cr	0.358	low pollution
Cr	0.227	low pollution
Cr	0.561	medium pollution
Cr	0.468	low pollution
Cr	0.975	medium pollution
Cr	0.571	medium pollution
Cr, Hg	0.938	medium pollution
Cr	0.537	medium pollution
Cr	0.485	low pollution
Cr	0.639	medium pollution
Cr	0.523	medium pollution
Cr	0.516	medium pollution
Cr	0.535	medium pollution
Cr	0.520	medium pollution
Cr	0.510	medium pollution
Cr	0.265	low pollution
Cr	0.985	medium pollution
Cr	0.508	medium pollution
Cr	0.284	low pollution
Cr	0.398	low pollution
Cr	0.239	low pollution
Cr	0.550	medium pollution
Cd, Cr, Zn	0.966	medium pollution
Cr	0.674	medium pollution
Cr	0.404	low pollution
Cr	0.656	medium pollution
Cr	0.266	low pollution
Cr	0.605	medium pollution
Cr	0.530	medium pollution
	0.000	no pollution
Cr	0.457	low pollution
Cr	0.030	low pollution
Cr	0.632	medium pollution

Evaluated environmental indicators - Prešov 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

Veľký Slivník		0.000	no pollution
Víťaz	Fe, Mn	4.319	medium pollution
Vyšná Šebastová	ChSK _{Mn} , Fe, Mn, NO ₃	0.848	low pollution
Záborské	Fe, Mn	1.656	medium pollution
Záhradné	Fe, Mn	1.816	medium pollution
Žehňa		0.000	no pollution
Žipov		0.000	no pollution
Zlatá Baňa	Ca+Mg, Ca, Mg, Fe, Mn	0.606	low pollution
Župčany	Mg, Mn	2.503	medium pollution
district Sabinov			
Bajerovce	Mn	0.374	low pollution
Bodovce	Fe	0.873	low pollution
Brezovica		0.000	no pollution
Brezovička		0.000	no pollution
Červená Voda		0.000	no pollution
Červenica pri Sabinove		0.000	no pollution
Ďačov		0.000	no pollution
Daletice	Mg	0.000	no pollution
Drienica		0.000	no pollution
Dubovica		0.000	no pollution
Hanigovce		0.000	no pollution
Hubošovce	Mg, Fe	2.185	medium pollution
Jakovany		0.000	no pollution
Jakubova Voľa		0.000	no pollution
Jakubovany	Fe	0.029	low pollution
Jarovnice	Mg	0.000	no pollution
Kamenica		0.000	no pollution
Krásna Lúka	Mn	0.474	low pollution
Krivany		0.000	no pollution
Lipany		0.000	no pollution
Lúčka		0.000	no pollution
Ľutina		0.000	no pollution
Milpoš		0.000	no pollution
Nižný Slavkov		0.000	no pollution
Olejníkov		0.000	no pollution
Oľšov		0.000	no pollution
Ostrovany	Ca+Mg, Mg	0.000	no 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	0.493	low pollution
As, Cd, Cr, Cu, Hg, Pb, Zn	6.395	very high pollution
Cr	0.332	low pollution
Cr	0.420	low pollution
Cr	0.503	medium pollution
Cr	0.058	low pollution
Cr	0.587	medium pollution
Cr	0.607	medium pollution
Cr	0.634	medium pollution
district Sabinov		
Cd, Cr, Ni	3.519	high pollution
Cd, Cr	0.833	medium pollution
Cr	0.768	medium pollution
Cr	0.727	medium pollution
Cd, Cr	1.211	high pollution
Cr	1.316	high pollution
Cr, Ni	1.115	high pollution
Cr	0.689	medium pollution
Cd, Cr	1.732	high pollution
Cr	0.819	medium pollution
Cd, Cr	2.835	high pollution
Cr	0.772	medium pollution
Cd, Cr	1.887	high pollution
Cr	0.941	medium pollution
Cr	0.845	medium pollution
Cr	0.713	medium pollution
Cd, Cr	2.791	high pollution
Cr, Ni	1.415	high pollution
Cr, Ni	1.810	high pollution
Cr, Ni	1.696	high pollution
Cd, Cr, Ni	2.328	high pollution
Cd, Cr	2.116	high pollution
Cd, Cr	2.870	high pollution
Cr	0.774	medium pollution
Cd, Cr	3.808	high pollution
Cd, Cr, Ni	1.852	high pollution
Cr	0.681	medium pollution

Evaluated environmental indicators - Prešov 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

Pečovská Nová Ves		0.000	no pollution
Poloma	Mn	0.018	low pollution
Ratvaj	Fe	1.004	medium pollution
Ražňany	Mg	0.000	no pollution
Renčišov		0.000	no pollution
Rožkovany		0.000	no pollution
Sabinov		0.000	no pollution
Šarišské Dravce		0.000	no pollution
Šarišské Michaľany	Mg	0.000	no pollution
Šarišské Sokolovce	Fe	0.436	low pollution
Tichý Potok	Sb	1.714	medium pollution
Torysa		0.000	no pollution
Uzovce	Mg, Fe	1.421	medium pollution
Uzovské Pekľany		0.000	no pollution
Uzovský Šalgov		0.000	no pollution
Vysoká		0.000	no pollution
district Snina			
Belá nad Cirochou	Mn	2.160	medium pollution
Brezovec	Mn	2.321	medium pollution
Čukalovce	Mn	0.539	low pollution
Dlhé nad Cirochou	Mn	5.331	high pollution
Dúbrava	Mn	1.758	medium pollution
Hostovice		0.000	no pollution
Hrabová Roztoka	Mg	0.000	no pollution
Jalová	Mn	2.679	medium pollution
Kalná Roztoka	Mn	0.286	low pollution
Klenová	Mn	2.557	medium pollution
Kolbasov	Mg	0.000	no pollution
Kolonica		0.000	no pollution
Ladomirov	Mn	0.927	low pollution
Michajlov	Mn	5.652	high pollution
Nová Sedlica	Mg	0.000	no pollution
Osadné	Mg	0.000	no pollution
Parihuzovce	Mn	0.252	low pollution
Pčoliné	Mn	4.266	medium pollution
Pichne	Mn	5.723	high pollution
Príslop	Mg	0.000	no 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	1.093	high pollution
Cr	0.938	medium pollution
Cr	0.772	medium pollution
Cr	0.740	medium pollution
Cr	0.704	medium pollution
Cr	0.901	medium pollution
Cr	0.871	medium pollution
Cr, Ni	1.398	high pollution
Cr	0.701	medium pollution
Cd, Cr	0.931	medium pollution
Cr	0.688	medium pollution
Cr	0.986	medium pollution
Cr	0.837	medium pollution
Cr	0.662	medium pollution
Cr	0.764	medium pollution
Cr	0.751	medium pollution
district Snina		
Cr	0.351	low pollution
Cr	0.486	low pollution
Cr	0.286	low pollution
Cr	0.322	low pollution
Cr	0.482	low pollution
Cr	0.329	low pollution
Cr	0.356	low pollution
Cd, Co, Cr	1.677	high pollution
Cr	0.387	low pollution
Cr	0.524	medium pollution
Cr	0.258	low pollution
Co, Cr	0.389	low pollution
Cr	0.507	medium pollution
Cr	0.563	medium pollution
Cr	0.262	low pollution
Cr	0.389	low pollution
Cr	0.293	low pollution
Co, Cr	0.420	low pollution
Cr	0.456	low pollution
Cr	0.319	low pollution

Evaluated environmental indicators - Prešov 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

Runina	Ca+Mg, Ca, Mg	0.000	no pollution
Ruská Volová	Mn	1.570	medium pollution
Ruský Potok	Mg	0.000	no pollution
Šmigovec	Mn	1.467	medium pollution
Snina	Mn	4.556	medium pollution
Stakčín	Mg, Mn	0.063	low pollution
Stakčínska Roztoka	Mg, Mn	0.810	low pollution
Strihovce	Mg	0.000	no pollution
Topoľa	Mg	0.000	no pollution
Ubl'a	Mn	3.766	medium pollution
Ulič		0.000	no pollution
Uličské Krivé	Mg	0.000	no pollution
Zboj	Ca+Mg, Mg	0.000	no pollution
Zemplínske Hámre	Mg	0.000	no pollution
district Stará Ľubovňa			
Chmeľnica		0.000	no pollution
Čirč		0.000	no pollution
Ďurková		0.000	no pollution
Forbasy	Mn	1.035	medium pollution
Hajtovka		0.000	no pollution
Haligovce		0.000	no pollution
Hniezdne	Mn	1.767	medium pollution
Hraničné		0.000	no pollution
Hromoš		0.000	no pollution
Jakubany		0.000	no pollution
Jarabina		0.000	no pollution
Kamienka	ChSK _{Mn}	0.012	low pollution
Kolačkov		0.000	no pollution
Kremná		0.000	no pollution
Kyjov		0.000	no pollution
Lacková	Mn	0.106	low pollution
Legnava		0.000	no pollution
Lesnica		0.000	no pollution
Litmanová	ChSK _{Mn} , Mg	0.035	low pollution
Lomnička		0.000	no pollution
Ľubotín	Mn	0.088	low pollution
Malý Lipník		0.000	no 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	0.261	low pollution
Cr	0.469	low pollution
Cr	0.255	low pollution
Cr	0.496	low pollution
Cr	0.444	low pollution
Co, Cr	0.599	medium pollution
Co, Cr	1.366	high pollution
Cr	0.375	low pollution
Cr	0.302	low pollution
Cr	0.509	medium pollution
Cr	0.341	low pollution
Cr	0.241	low pollution
Cr	0.260	low pollution
Cr	0.353	low pollution
district Stará Ľubovňa		
Cd, Cr	7.640	very high pollution
Cd, Cr	3.577	high pollution
Cd, Cr, Ni	5.205	very high pollution
Cd, Cr	7.316	very high pollution
Cd, Cr	7.837	very high pollution
Cd, Cr, Ni	9.157	very high pollution
Cd, Cr	7.928	very high pollution
Cd, Cr	5.369	very high pollution
Cd, Cr, Ni	6.217	very high pollution
Cd, Cr	5.990	very high pollution
Cd, Cr	6.658	very high pollution
Cd, Cr, Ni	8.306	very high pollution
Cd, Cr	7.162	very high pollution
Cd, Cr	6.111	very high pollution
Cd, Cr	3.166	high pollution
Cd, Cr, Ni	8.007	very high pollution
Cd, Cr	6.217	very high pollution
Cd, Cr, Ni	7.947	very high pollution
Cd, Cr	6.464	very high pollution
Cd, Cr	5.680	very high pollution
Cd, Cr	5.042	very high pollution
Cd, Cr	6.972	very high pollution

Evaluated environmental indicators - Prešov region

GROUNDWATER

I_{ER_{GW}} - 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

Matysová		0.000	no pollution
Mníšek nad Popradom		0.000	no pollution
Nižné Ružbachy	Mn	0.100	low pollution
Nová Ľubovňa		0.000	no pollution
Obručné		0.000	no pollution
Orlov	Mn	0.055	low pollution
Plaveč		0.000	no pollution
Plavnica		0.000	no pollution
Podolíneč		0.000	no pollution
Pusté Pole		0.000	no pollution
Ruská Voľa nad Popradom		0.000	no pollution
Šambron		0.000	no pollution
Šarišské Jastrabie		0.000	no pollution
Stará Ľubovňa	Mn	0.478	low pollution
Starina		0.000	no pollution
Stráňany		0.000	no pollution
Sulín		0.000	no pollution
Údol		0.000	no pollution
Veľká Lesná		0.000	no pollution
Veľký Lipník		0.000	no pollution
Vislanka		0.000	no pollution
Vyšné Ružbachy		0.000	no pollution
district Stropkov			
Baňa	Mn	0.407	low pollution
Breznica		0.000	no pollution
Brezníčka	Mn	0.906	low pollution
Brusnica		0.000	no pollution
Bukovce	Mn	1.613	medium pollution
Bystrá	Mn	0.943	low pollution
Bžany	Mn	1.486	medium pollution
Chotča	Mn	2.704	medium pollution
Duplín	Mn	2.011	medium pollution
Gribov	Mn	0.084	low pollution
Havaj	Mn	0.416	low pollution
Jakušovce	Mn	1.250	medium pollution
Kolbovce	Mn	0.075	low pollution
Korunková		0.000	no pollution

SOIL

I_{ER_S} - 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

Cd, Cr	7.258	very high pollution
Cd, Cr	4.978	high pollution
Cd, Cr	5.870	very high pollution
Cd, Cr	7.858	very high pollution
Cd, Cr	1.979	high pollution
Cd, Cr	5.955	very high pollution
Cd, Cr, Ni	6.969	very high pollution
Cd, Cr, Ni	8.052	very high pollution
Cd, Cr, Ni	6.170	very high pollution
Cd, Cr, Ni	2.369	high pollution
Cd, Cr	2.810	high pollution
Cd, Cr, Ni	4.555	high pollution
Cd, Cr	3.247	high pollution
Cd, Cr	7.824	very high pollution
Cd, Cr	6.998	very high pollution
Cd, Cr, Ni	9.435	very high pollution
Cd, Cr	5.989	very high pollution
Cd, Cr	7.923	very high pollution
Cd, Co, Cr, Ni	11.232	very high pollution
Cd, Cr, Ni	9.871	very high pollution
Cd, Cr, Ni	3.473	high pollution
Cd, Cr, Ni	8.330	very high pollution
Cr	0.737	medium pollution
Cr	0.736	medium pollution
Cr	0.535	medium pollution
Cr	0.683	medium pollution
Cr	0.433	low pollution
Cr	0.327	low pollution
Cr	0.319	low pollution
Cr	0.551	medium pollution
Cr	0.718	medium pollution
Cr	0.398	low pollution
Cr	0.314	low pollution
Cr	0.486	low pollution
Cr	0.519	medium pollution
Cr	0.443	low pollution

Evaluated environmental indicators - Prešov region

GROUNDWATER

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

Kožuchovce	Mn	0.277	low pollution
Krišľovce	Mn	0.628	low pollution
Kručov	Mn	0.719	low pollution
Krušinec	Mn	4.125	medium pollution
Lomné	Mn	0.050	low pollution
Makovce		0.000	no pollution
Malá Poľana	Mn	1.171	medium pollution
Miková	Mn	1.429	medium pollution
Miňovce		0.000	no pollution
Mrázovce		0.000	no pollution
Nižná Oľšava	Mn	0.510	low pollution
Oľšavka	Mn	2.478	medium pollution
Potôčky		0.000	no pollution
Potoky	Mn	3.729	medium pollution
Šandal	Mn	0.100	low pollution
Soľník		0.000	no pollution
Staškovce		0.000	no pollution
Stropkov	Mn	0.268	low pollution
Tisinec	Mn	1.600	medium pollution
Tokajík		0.000	no pollution
Turany nad Ondavou	Mn	0.698	low pollution
Varechovce	Mn	1.015	medium pollution
Veľkrop		0.000	no pollution
Vislava	Mn	4.513	medium pollution
Vladiča	Mn	0.119	low pollution
Vojtovce	Mn,	0.470	low pollution
Vyškovce	Mn	5.239	high pollution
Vyšná Oľšava	Mn	1.839	medium pollution
Vyšný Hrabovec	Fe	0.002	low pollution
district Svidník			
Belejovce		0.000	no pollution
Beňadikovce	Mn	0.525	low pollution
Bodružal		0.000	no pollution
Cernina	Mn, As	0.311	low pollution
Cigla		0.000	no pollution
Dlhoňa		0.000	no pollution
Dobroslava		0.000	no pollution

SOIL

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

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

Cr	0.452	low pollution
Cr	0.649	medium pollution
Cr	0.313	low pollution
Cr	0.690	medium pollution
Cr	0.434	low pollution
Cr	0.360	low pollution
Cd, Cr	0.553	medium pollution
Cr	0.394	low pollution
Cr	0.715	medium pollution
Cr	0.719	medium pollution
Cr	0.606	medium pollution
Cr	0.550	medium pollution
Cr	0.494	low pollution
Cr	0.769	medium pollution
Cr	0.773	medium pollution
Cr	0.430	low pollution
Cr	0.339	low pollution
Cr	0.708	medium pollution
Cr	0.730	medium pollution
Cr	0.686	medium pollution
Cr	0.577	medium pollution
Cr	0.368	low pollution
Cr	0.391	low pollution
Cr	0.703	medium pollution
Cr	0.423	low pollution
Cr	0.638	medium pollution
Cr	0.632	medium pollution
Cr	0.630	medium pollution
Cr	0.626	medium pollution
Cr	0.659	medium pollution
Cr	0.720	medium pollution
Cr	0.435	low pollution
Cr	0.924	medium pollution
Co, Cr	1.098	high pollution
Cr	0.645	medium pollution
Cr	0.679	medium pollution

Evaluated environmental indicators - Prešov region

GROUNDWATER

I_{ER_{GW}} - 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

Dubová		0.000	no pollution
Dukovce	Fe, Mn	0.474	low pollution
Fijaš	Mg	3.204	medium pollution
Giraltovce	Mg, Mn	3.168	medium pollution
Havranec		0.000	no pollution
Hrabovčík		0.000	no pollution
Hunkovce		0.000	no pollution
Jurkova Voľa	Mn	0.278	low pollution
Kalnište	Mn	1.114	medium pollution
Kapišová		0.000	no pollution
Kečkovce		0.000	no pollution
Kobylnice	Mg, Mn	1.399	medium pollution
Korejovce		0.000	no pollution
Kračúnovce	Mg, Mn	0.809	low pollution
Krajná Bystrá		0.000	no pollution
Krajná Poľana		0.000	no pollution
Krajná Porúbka	Mg	0.000	no pollution
Krajné Čierne	Mn	0.156	low pollution
Kružlová		0.000	no pollution
Kuková	Mn	0.590	low pollution
Kurimka	Mn	1.040	medium pollution
Ladomirová	Mn	0.810	low pollution
Lúčka	Mg, Mn	1.294	medium pollution
Lužany pri Topli	Mg, Fe, Mn	3.244	medium pollution
Matovce	Fe, Mn	5.446	high pollution
Medvedie	Mg	0.000	no pollution
Mestisko		0.000	no pollution
Mičakovce	ChSK _{Mn} , Mg, Mn	0.939	low pollution
Miroľa		0.000	no pollution
Mlynárovce	Mn	0.062	low pollution
Nižná Jedľová		0.000	no pollution
Nižná Pisaná		0.000	no pollution
Nižný Komárnik	Mg	0.000	no pollution
Nižný Mirošov		0.000	no pollution
Nižný Orlík		0.000	no pollution
Nová Polianka	Mn	1.903	medium pollution

SOIL

I_{ER_S} - 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	0.902	medium pollution
Cr	0.570	medium pollution
Cr	0.340	low pollution
Cr	0.426	low pollution
Cr	0.650	medium pollution
Cr	0.870	medium pollution
Cr	0.565	medium pollution
Cr	0.867	medium pollution
Cr	0.555	medium pollution
Cr	0.763	medium pollution
Cr	0.661	medium pollution
Cr	0.383	low pollution
Cr	0.551	medium pollution
Cr	0.526	medium pollution
Cr	0.517	medium pollution
Cr	0.493	low pollution
Cr	0.562	medium pollution
Cr	0.514	medium pollution
Cr	0.753	medium pollution
Cr	0.575	medium pollution
Co, Cr	1.271	high pollution
Cr	0.695	medium pollution
Cr	0.547	medium pollution
Cr	0.501	medium pollution
Cr	0.426	low pollution
Cr	0.572	medium pollution
Cr	0.811	medium pollution
Cr	0.562	medium pollution
Cr	0.415	low pollution
Cr	0.834	medium pollution
Cr	0.859	medium pollution
Cr	0.645	medium pollution
Cr	0.537	medium pollution
Cr	0.730	medium pollution
Cr	0.894	medium pollution
Cr	0.826	medium pollution

Evaluated environmental indicators - Prešov region

GROUNDWATER

I_{ER_{GW}} - 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

Okrúhle	Mn	0.963	low pollution
Príkra	Mg	0.000	no pollution
Pstriná		0.000	no pollution
Radoma	Mn	0.102	low pollution
Rakovčik	Mn	0.323	low pollution
Rovné		0.000	no pollution
Roztoky		0.000	no pollution
Šarbov	Mg	0.000	no pollution
Šarišský Štiavnik	Mn	0.358	low pollution
Šemetkovce	Mn	2.147	medium pollution
Soboš	Fe, Mn	4.928	medium pollution
Štefurov	Mn	0.292	low pollution
Stročín	Mn	0.708	low pollution
Svidnička		0.000	no pollution
Svidník		0.000	no pollution
Vagríneec	Mn	2.008	medium pollution
Valkovce	Mn	2.233	medium pollution
Vápeník		0.000	no pollution
Vyšná Jedľová		0.000	no pollution
Vyšná Pisaná	Mg	0.000	no pollution
Vyšný Komárnik	Mg	0.000	no pollution
Vyšný Mirošov		0.000	no pollution
Vyšný Orlík	Mn,	0.126	low pollution
Železník	Mg, Mn	1.109	medium pollution
Želmanovce	Fe, Mn	0.574	low pollution
district Vranov nad Topľou			
Babie	Mg, Mn	0.223	low pollution
Banské	Mg, Mn	0.023	low pollution
Benkovce	Mg, Mn, NO ₂	1.790	medium pollution
Bystré	ChSK _{Mn} , Mn	1.975	medium pollution
Cabov		0.000	no pollution
Čaklov	Mn	0.875	low pollution
Čičava	ChSK _{Mn} , Mg, Mn, NO ₂	3.050	medium pollution
Čierne nad Topľou	Mn	0.966	low pollution
Ďapalovce		0.000	no pollution
Davidov		0.000	no pollution
Detrik	Mg, Mn,	0.724	low pollution

SOIL

I_{ER_S} - 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	0.616	medium pollution
Cr	0.492	low pollution
Cr	0.349	low pollution
Cr	0.653	medium pollution
Cr	0.711	medium pollution
Cr	0.920	medium pollution
Cr	0.683	medium pollution
Cr	0.622	medium pollution
Cr	0.643	medium pollution
Cr	0.606	medium pollution
Cr	0.426	low pollution
Cr	0.650	medium pollution
Cr	0.834	medium pollution
Cr	0.669	medium pollution
Cr	0.926	medium pollution
Cr	0.761	medium pollution
Cr	0.524	medium pollution
Cr	0.653	medium pollution
Cr	0.770	medium pollution
Cr	0.634	medium pollution
Cr	0.546	medium pollution
Cr	0.757	medium pollution
Cr	0.746	medium pollution
Cr	0.554	medium pollution
Cr	0.580	medium pollution
Cr	0.574	medium pollution
Cr	0.017	low pollution
Cr	0.769	medium pollution
Cr	0.770	medium pollution
Cr	0.155	low pollution
Cr	0.624	medium pollution
Cr	0.852	medium pollution
Cr, Hg	1.219	high pollution
Cr	0.482	low pollution
Cr	0.283	low pollution
Cr	0.379	low pollution

Evaluated environmental indicators - Prešov 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

Dihé Klčovo	ChSK _{Mn} , Fe, Mn, NO ₃	7.059	high pollution
Ďurdoš	ChSK _{Mn} , Mg , Mn	0.902	low pollution
Giglovce	Mg , Mn, NO ₂	4.296	medium pollution
Girovce	Mg , Mn, NO ₂	5.847	high pollution
Hanušovce nad Topľou	ChSK _{Mn} , Mg , Mn	1.734	medium pollution
Hencovce	Ca+Mg, Mg , Fe, Mn, NO ₃ ,	13.308	very high pollution
Hermanovce nad Topľou	Fe, Mn	1.470	medium pollution
Hlinné	Mn	2.494	medium pollution
Holčíkovce	Mn, NO ₂	4.040	medium pollution
Jasenovce	Mn, NO ₂	3.239	medium pollution
Jastrabie nad Topľou	ChSK _{Mn} , Mn	4.375	medium pollution
Juskova Voľa	Mg	0.000	no pollution
Kamenná Poruba	Mn	1.257	medium pollution
Kladzany	Ca+Mg, Mg , Fe, Mn, NO ₃	6.046	high pollution
Komárany	ChSK _{Mn} , Mg , Mn, NO ₂	2.794	medium pollution
Kučín	Ca+Mg, Mg , Fe, Mn, NO ₃	9.028	high pollution
Kvakovce	Mn, NO ₂	0.489	low pollution
Majerovce	MIN, Ca+Mg, Mg , Fe, Mn, NO ₃	8.653	high pollution
Malá Domaša	Mn, NO ₂	1.601	medium pollution
Matiaška	Mg , Mn	0.622	low pollution
Medzianky	ChSK _{Mn} , Mg , Mn	0.653	low pollution
Merník	ChSK _{Mn} , Mg, Mn , NO ₂	4.117	medium pollution
Michalok	Mn, NO ₂	1.423	medium pollution
Nižný Hrabovec	Fe, Mn, NO ₃	6.206	high pollution
Nižný Hrušov	ChSK _{Mn} , Mn, NO ₃	4.886	medium pollution
Nižný Kručov	Mn	1.674	medium pollution
Nová Keľča	Mn	0.597	low pollution
Ondavské Matiašovce	Mn, NO ₂	1.163	medium pollution
Pavlovce		0.000	no pollution
Petkovce		0.000	no pollution
Petrovce	Mn	0.701	low pollution
Piskorovce	Fe, Mn	0.283	low pollution
Poša	ChSK _{Mn} , Fe, Mn, NO ₃	3.794	medium pollution
Prosačov	ChSK _{Mn} , Mg , Mn	1.093	medium pollution
Radvanovce	ChSK _{Mn} , Mg	0.007	low pollution
Rafajovce	Mn, NO ₂	2.809	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	0.522	medium pollution
Cr	0.757	medium pollution
Cr	0.515	medium pollution
Cr	0.497	low pollution
Cr, Ni	1.780	high pollution
Cr	0.765	medium pollution
Cr	1.244	high pollution
Cr	0.625	medium pollution
Cr	0.565	medium pollution
Cr	0.548	medium pollution
Cr	0.820	medium pollution
Co	0.112	low pollution
Cr	0.547	medium pollution
Cr	0.720	medium pollution
Cr	0.842	medium pollution
Cr	0.700	medium pollution
Cr	0.545	medium pollution
Cr	0.784	medium pollution
Cr	0.556	medium pollution
Cr	0.339	low pollution
Cr, Ni	1.041	high pollution
Cr	0.866	medium pollution
Cr	0.623	medium pollution
Cr	0.586	medium pollution
Cr	0.366	low pollution
Cr	0.736	medium pollution
Cr	0.529	medium pollution
Cr, Hg	0.786	medium pollution
Cr, Ni	1.872	high pollution
Cr, Hg	0.895	medium pollution
Cr, Ni	2.420	high pollution
Cr	0.589	medium pollution
Cr	0.518	medium pollution
Cr	0.706	medium pollution
Cr	0.752	medium pollution
Cr	0.515	medium pollution

Evaluated environmental indicators - Prešov region

GROUNDWATER

I_{ER_{GW}} - 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

Remeniny	ChSK _{Mn} , Mg , Mn	1.317	medium pollution
Rudlov	Mn	0.605	low pollution
Ruská Voľa	Mg , Mn	0.750	low pollution
Sačurov	Fe, Mn	3.532	medium pollution
Sečovská Polianka	Mn, NO ₃	1.761	medium pollution
Sedliská	Ca+Mg , Mg , Mn, NO ₂ , NO ₃	2.220	medium pollution
Skrabské	Mg , Mn	0.366	low pollution
Slovenská Kajňa	Mn, NO ₂	2.188	medium pollution
Soľ	Mn	2.151	medium pollution
Štefanovce	NO ₂	0.858	low pollution
Tovarné	Fe, Mn, NO ₂	3.754	medium pollution
Tovarnianska Polianka	Mg , Fe, Mn	6.740	high pollution
Vavrinec	Mg , Mn	0.939	low pollution
Vehec		0.000	no pollution
Vlača	ChSK _{Mn} , Mg , Mn	0.471	low pollution
Vranov nad Topľou	Fe, Mn	9.062	high pollution
Vyšný Kazimír	Mg , Mn, NO ₂	2.605	medium pollution
Vyšný Žipov	Mn	2.146	medium pollution
Žalobín	NO ₂	1.018	medium pollution
Zámutov	Fe	0.978	low pollution
Zlatník	Fe, Mn	1.115	medium pollution

SOIL

I_{ER_S} - 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	0.667	medium pollution
Cd, Co, Cr	1.013	high pollution
Cr	0.219	low pollution
Cr	0.511	medium pollution
Cr	0.352	low pollution
Cr	0.807	medium pollution
Cr	0.671	medium pollution
Cr	0.660	medium pollution
Cr	0.631	medium pollution
Cr	0.715	medium pollution
Cr	0.786	medium pollution
Cr	0.738	medium pollution
Cr	0.449	low pollution
Cr	0.492	low pollution
Cr, Ni	0.765	medium pollution
Cr	0.745	medium pollution
Cr	0.848	medium pollution
Cr, Hg	1.166	high pollution
Cr	0.577	medium pollution
Cd, Co	0.962	medium pollution
Cr	0.647	medium pollution