

ENVIRONMENTAL INDICATORS and SELECTED TIME SERIES

Gross fresh groundwater abstractions:

last update: June 2007

	1990	1995	2000	2001	2002	2003	2004	2005
	<i>mio m³</i>	<i>mio m³</i>	<i>mio m³</i>	<i>mio m³</i>	<i>mio m³</i>	<i>mio m³</i>	<i>mio m³</i>	<i>mio m³</i>
Algeria	...	...	...	3 548	...	...	...	...
Armenia	1 252	851	533	530	475	474	622	...
Australia	...	4 962 ¹	...	...	...	...	...	...
Austria	1 246	1 164	1 115 ²	...	1 079	...	...	...
Azerbaijan	1 706	1 150	547	511	545	607	707	...
Bahamas	5	3	3	...	...	...	...	...
Barbados	61	61	52	...	...	...	...	...
Belarus	1 210	1 106	1 082	1 086	1 079	1 064	1 038	1 034
Belgium	...	722	682	...	668	...	...	...
Belize	...	1	1	2	2	2	2	2
Bermuda	...	...	...	...	...	...	...	3
Bulgaria	1 720	907	574	525	...	...	...	...
Canada	1 037 ³	1 871 ⁴	...	...	...	...	...	...
China	...	...	106 748	109 670	107 192	101 612	102 638	...
China, Hong Kong SAR	0	0	0	0	0	...	...	...
Cote d'Ivoire	162 ³	...	...	...	...	...	...	...
Croatia	...	...	401	288	418	299	283	...
Cuba	2 848	1 589	1 768	...	...	...	1 600	1 485
Cyprus	...	...	87	...	...	...	...	...
Czech Republic	836	719	555	529	...	...	402	...
Denmark	1 261	887	709	693	650	...	...	...
Dominica	0	0	0	0	0	0	0	0
Ecuador	...	...	0	...	...	...	...	...
Egypt	...	4 600	...	...	...	...	...	...
Estonia	495	350	255	272	...	...	...	...
Ethiopia	...	1	3	4	...	...	...	...
Finland	240	288	285 ²	285	...	...	...	...
France	6 201	6 026 ⁵	6 259 ⁶	...	6 240	...	...	...
Georgia	1 039	476	399	437	547	537	520	...
Germany	...	7 623	6 710 ⁷	6 204	...	...	6 033	...
Greece	2 009 ⁸	3 119 ⁸	...	...	...	...	...	...
Guinea	...	...	...	...	...	...	...	4
Honduras	...	...	...	...	...	165	165	...
Hungary	1 026	897	871	139	...	...	...	...
Iceland	160 ⁹	158	158 ¹⁰	152	...	160 ¹⁰	...	...
India	...	...	151 506	...	...	149 975	...	...
Ireland	...	225 ⁵	...	...	...	...	...	...
Israel	1 111	969	1 051	1 036	1 086	823	...	...
Japan	12 265	12 146	11 194	11 014	...	...	...	...
Jordan	510 ¹¹	498 ¹¹	474 ¹¹	...	522	520	501	...
Korea, Republic of	1 470	2 623 ⁵	3 089 ⁷	...	...	3 749	...	...
Kyrgyzstan	1 090	694	302	502	342	336	1 156	...

Latvia	...	195	118	116	...	...	...	...
Lithuania	498	304	166	157	...	...	...	...
Luxembourg	27 ¹²	29	32 ²	...	...	...	...	...
Madagascar	...	...	28	...	...	...	...	...
Malta	21	20	17	...	...	...	...	...
Mauritius	98	125	145	145	148	148	150	150
Mexico	24 453	25 100	26 721	27 574	...	...	27 196	...
Monaco	1	2	2	1	1	...	...	...
Montenegro	382 ¹³	142 ¹³	134 ¹³	...	...	...	...	...
Morocco	...	...	3 166	2 870	2 907	3 000	...	...
Netherlands	1 180 ³	1 153 ⁴	...	1 001	...	...	...	...
New Zealand	...	800 ¹⁴	1 596 ¹⁵	...	...	...	...	...
Oman	899	949	1 004	...	...	...	...	...
Panama	177	146	34	32	38	31	31	32
Peru	215 ^{16,17}	...	190 ^{16,17}	...	...	...	...	...
Philippines	1 266	1 877	2 445	2 530	2 656	2 729	2 848	3 345
Poland	3 237 ¹⁸	2 846 ¹⁸	2 843 ¹⁸	2 700 ¹⁸	...	...	2 526	...
Portugal	3 065 ¹⁹	...	...	...	...	...	...	...
Republic of Moldova	311	244	168	138	132	135	135	...
Romania	2 840	1 280	1 107	990	...	...	...	...
Serbia	382 ¹³	142 ¹³	134 ¹³	...	...	...	...	...
Slovakia	728	578	448	423	...	...	385	...
Slovenia	165	164	136	134	...	...	...	...
South Africa	...	1 044	1 044	...	...	...	...	...
Spain	5 500 ³	5 408	4 979	5 017	5 171	...	...	...
Sri Lanka	...	...	...	7 250 ²⁰	...	...	...	...
Sweden	608	661	635	637	628	...	...	...
Switzerland	941	892	886	868	854	...	...	...
The Former Yugoslav Rep. of Macedonia	94	65	57	62	48	125	247	...
Trinidad and Tobago	...	...	89 ²¹	95 ²¹	93 ²¹	85	86	96
Tunisia	1 012	1 177	1 200	1 199	1 230	1 207	1 218	...
Turkey	3 770	5 080	6 000	6 000	...	...	...	...
Ukraine	5 200	4 305	2 987	2 750	2 673	2 560	2 509	...
United Kingdom	2 709 ²²	2 634 ²²	2 377 ²²	...	...	2 389 ²²	...	...
United States	109 830	105 511	115 004	...	...	...	...	...
Yemen	...	2 110	...	...	...	...	...	...
Zambia	...	287	...	...	...	...	...	...

Sources:

UNSD/UNEP 2001, 2004 and 2006 questionnaires on Environment statistics, Water section
 OECD/Eurostat 2004 questionnaire on Environment statistics, Water section
 OECD Environmental Data, Compendium 2006, Inland Waters section

Footnotes:

- 1 Fiscal year 1996/97 data.
- 2 1999 data.
- 3 1991 data.
- 4 1996 data.
- 5 1994 data.
- 6 Break in time series in 2000.

- 7 1998 data.
- 8 Partial totals: Agriculture (only irrigation) + production of electricity.
- 9 1992 data.
- 10 Provisional data.
- 11 Data refer to Abstraction by Public supply, Agriculture, Mining and quarrying.
- 12 1989 data.
- 13 Data refer to Serbia and Montenegro.
- 14 1993 figure excluding water abstracted for industrial or electrical cooling.
- 15 1999 estimate.
- 16 The information corresponds to the province of Lima and the Constitutional province of Callao.
- 17 It does not include private wells.
- 18 Data cover abstraction of groundwater together with mining waters used to production.
- 19 Estimate, equals year - 1.
- 20 Data refer to estimated total ground water availability.
- 21 Includes Groundwater water abstraction by water supply industry, Agriculture, forestry and fishing, and Manufacturing industries only.
- 22 England and Wales only.

Definitions & Technical notes:

Total freshwater abstractions is water removed from any source, either permanently or temporarily. Includes abstraction by the water supply industry (ISIC 41) and direct abstraction by other activities, and water abstracted but returned without use, such as mine water and drainage water.

Fresh groundwater refers to freshwater which is being held in, and can usually be recovered from, or via, an underground formation. All permanent and temporary deposits of water, both artificially charged and naturally, in the subsoil, of sufficient quality for at least seasonal use. This category includes phreatic water-bearing strata, as well as deep strata under pressure or not, contained in porous or fracture soils.