

**ESTIMATED WATER CONSUMPTION IN THE WORLD + PER APPLIANCE AND SECTOR**

Version: 101\_5

NB: Although not all information is referenced, they have been taken from reliable sources. As shown below numbers can vary greatly and it will depend on experience and local reliable data what numbers are estimated. If estimations are made for sewage treatment it is better to estimate on a high average (without overdesigning / sizing) in order to ensure trouble-free long term robust treatment.

|               |                      |                         |
|---------------|----------------------|-------------------------|
| 1 US Gallon = | 3.7854 Liters        | <u>Conversion table</u> |
| 1 squ. foot = | 0.09290 Square meter |                         |

| Per person per day   | Gallons | Liters         | Unit                     | Comments and Sources                                       |
|--|---------|----------------|--------------------------|--|
| <b>PER APPLIANCES</b>  |         |                |                          |  |
| <b>TOILETS:</b>  |         |                |                          | <b>Average of 5 flushes / day / person</b>                 |
| <b>TOILET / Sitting flush toilet</b>                             |         |                |                          |  |
| Minimum  |         | <b>6</b>       | Per Flush                | Average toilets after 2000 but each toilet must be checked |
|  |         | <b>30</b>      | Per day                  |  |
| Maximum  |         | <b>23</b>      | Per Flush                | Older toilets  |
|  |         | <b>115</b>     | Per day                  |  |
| <b>TOILET / Dual Flush</b>                                       |         |                |                          |  |
| Urine  |         | <b>2.3</b>     | Per Flush                | <b>3.5 - 4 flushes/day</b>                                 |
| Faeces   |         | <b>6</b>       | Per Flush                | <b>1.5 - 1-2 flushes/day</b>                               |
|  |         | <b>21.2</b>    | Per day                  |  |
| <b>TOILET / Squat toilet no flush</b>                            |         |                |                          |  |
| Small Bucket   |         | <b>1.5 - 2</b> | Per Flush                |  |
| Large Bucket   |         | <b>5</b>       | For Faecal Flush         |  |
| <b>TOILET / Dual Flush - Urine Diversion flush Toilets (UDT)</b> |         |                |                          |  |
| Urine flush  |         | <b>0.3</b>     | Per Flush                | <b>Wostman EcoFlush toilets</b>                            |
| Faeces flush   |         | <b>2.5</b>     | For Faecal Flush         |  |
| <b>TOILET LAVABO</b>   |         |                |                          |  |
| <b>Tap</b>   |         | <b>12-16</b>   | Liters/Minute on average |  |
| <b>Old Taps</b>  |         | <b>15-22</b>   | Liters/Minute on average |  |
| <b>New efficient taps</b>  |         | <b>9</b>       | Liters/Minute on average |  |
| Average - Minimum  |         | <b>20</b>      | Per person / Per day     |  |
| Average - Maximum  |         | <b>50</b>      | Per person / Per day     |  |
| <b>HAND WASHING - Running water - Low range</b>                  |         | <b>2</b>       | Per person / Per day     |  |
| HAND WASHING - Running water - Mid range                         |         | <b>4</b>       | Per person / Per day     |  |
| HAND WASHING - Running water - High range                        |         | <b>8</b>       | Per person / Per day     |  |
| <b>SHAVING Minimum</b>   |         | <b>8</b>       | Per person / Per day     |  |
| SHAVING Maximum  |         | <b>19</b>      | Per person / Per day     |  |
| SHAVING - Running water  |         | <b>76</b>      | Per person / Per day     |  |
| <b>WASHING TEETH Minimum</b>                                     |         | <b>8</b>       | Per person / Per day     |  |
| WASHING TEETH Medium   |         | <b>12</b>      | Per person / Per day     |  |
| WASHING TEETH Running water                                      |         | <b>40</b>      | Per person / Per day     |  |

| Per person per day  | Gallons | Liters  | Unit                 | Comments and Sources   |
|---|---------|---------|----------------------|--|
| <b>SHOWER</b>   |         |         |                      |  |
|   |         | 13.25   | Per minute           |  |
|   |         | 19      | Per minute           |  |
|   |         | 6-9     | Per minute           | Latest generation shower head with flow reductors  |
| Shower - Average  |         | 20      | Per person / Per day |  |
| Shower - Maximum  |         | 50      | Per person / Per day |  |
| Average temperate climate - 7 min   |         | 105     | Per person / Per day |  |
| Average - 2 min at 15L/min  |         | 30      | Per person / Per day |  |
| Average - 5 min at 6L/min   |         | 30      | Per person / Per day |  |
| Average - 5 min at 15L/min  |         | 75      | Per person / Per day |  |
| Average - 5 min at 38L/min  |         | 190     | Per person / Per day |  |
| Average hot weather - 3 min at 6L/min   |         | 18      | Per person / Per day |  |
| Average hot weather - 3 min at 15L/min  |         | 45      | Per person / Per day |  |
| Average hot weather - 3 min at 38L/min  |         | 114     | Per person / Per day |  |
| NB: Older shower heads may provide 26-38 Liters/minutes   |         |         |                      |  |
| NB: In some studies the averaged time is 12-15 min per shower   |         |         |                      |  |
| <b>BATH TUB</b>   |         |         |                      |  |
| Bath Tub - Minimum  |         | 50      | Per use              |  |
| Bath Tub - Maximum  |         | 230     | Older bathtubs       |  |
| Bath Tub - Medium   |         | 130     | Per use              |  |
| See <a href="http://www.depannage-plombier.fr/salle-de-bain/les-differents-types-de-baignoires/">http://www.depannage-plombier.fr/salle-de-bain/les-differents-types-de-baignoires/</a> |         |         |                      |  |
| <b>KITCHEN SINK</b>   |         |         |                      |  |
| Food preparation + Washing dishes by hand - Blocked tap   |         | 15      | Per person / Per day | Canada average   |
| Food preparation + Washing dishes by hand - Blocked tap   |         | 20      | Per person / Per day |  |
| Food preparation + Washing dishes by hand - Running water   |         | 100-150 | Per person / Per day | USA Average  |
| Drinking and Cooking  |         | 3       | Per person / Per day |  |
| Food preparation  |         | 10      | Per person / Per day | WHO 2003 "Domestic Water Quantity, Service, Level and Health" - Gleick (1996)  |
| Food preparation  |         | 4.2     | Per person / Per day | With piped connection - EAST AFRICA - Thompson et al. (2001) - WHO 2003 "Domestic Water Quantity, Service, Level and Health" - Gleick (1996) |
| Food preparation  |         | 3.8     | Per person / Per day | Without pipes connection - EAST AFRICA - WHO 2003 "Domestic Water Quantity, Service, Level and Health" - Gleick (1996)                       |
| DISH WASHING  |         | 6       | Per person / Per day |  |
| Dishwashing by hand - Minimum   |         | 42      | Per wash             |  |
| Dishwashing by hand - Maximum   |         | 100     | Per wash             |  |
| Restaurant - Average / dish   |         | 15      | Per person / Per day |  |
| <b>DISHWASHER</b>   |         |         |                      |  |
| Dishwasher Minimum  |         | 15      | Per load             |  |
| Dishwasher Maximum  |         | 150     | Per load             |  |

| Per person per day  | Gallons | Liters  | Unit               | Comments and Sources |
|---|---------|---------|--------------------|----------------------|
| <b>LAUNDRY</b>  |         |         |                    |                      |
| Handwashing   |         | 10-20   | Per wash / Per day |                      |
| Laundry machine   |         |         |                    |                      |
| Washing machine Minimum   |         | 15      | Per Load           |                      |
| Washing machine Average   |         | 50      | Per Load           |                      |
| Washing machine Average - Spain   |         | 100     | Per Load           |                      |
| Washing machine Maximum   |         | 250     | Per Load           |                      |
| Washing Machine EU standard   |         | 50      | Per Load           |                      |
| Industrial machines (HOTELS)  |         | > 350   | Per Load           |                      |
| <b>LAWN</b>   |         |         |                    |                      |
| 1m2 grass   |         | 8-10 L  |                    |                      |
| <b>Source: U.S. Geological Survey (USGS) - Water Resources in Georgia /edu/sq3.html</b> |         |         |                    |                      |
| Toilet  | 3.5     | 13.2489 | Per flush          | Older toilets        |
| Shower  | 2.3     | 8.70642 | Per minute         |                      |
| Bath  | 50      | 189.27  | Per bath           |                      |
| Teethbrushing   | 1       | 3.7854  | Per use            |                      |
| Hand/Face washing   | 1       | 3.7854  | Per use            |                      |
| Face/Leg shaving  | 1       | 3.7854  | Per use            |                      |
| Dishwasher  | 20      | 75.708  | Per load           |                      |
| Dishwashing by hand   | 5       | 18.927  | Per load           |                      |
| Laudry machine  | 10      | 37.854  | per load           |                      |
| <b>Indicative: USA - FLOW-REDUCTORS - Obligatory in some countries or regions</b>       |         |         |                    |                      |
| Faucet aerators and low-flow  |         |         |                    |                      |
| Minimum   | 0.5     | 1.8927  | Per minute         |                      |
| Maximum   | 1       | 3.7854  | Per minute         |                      |
| Showerheads   |         |         |                    |                      |
| Minimum   | 1.5     | 5.6781  | Per minute         |                      |
| Maximum   | 2.5     | 9.4635  | Per minute         |                      |

| Per person per day   | Gallons | Liters           | Unit                    | Comments and Sources   |
|--|---------|------------------|-------------------------|--|
| <b>RESTAURANTS AND HOTELS</b>  |         |                  |                         |  |
| <b>RESTAURANT</b>  |         |                  |                         |  |
| Standard 1   |         | 15               | Average / meal          |  |
| Standart 2 - Small to medium restaurant - Average low  |         | 25               | Per person              |  |
| Standart 2 - Small to medium restaurant - Average high   |         | 40               | Per person              |  |
| Standart 2 - Small to medium restaurant - Average low  |         | 120              | Per person              |  |
| Standart 2 - Small to medium restaurant - Average low  |         | 180              | Per person              |  |
| Restaurants - Per m2   |         |                  |                         | <b>Benchmarking Task Force Collaboration for Industrial, Commercial &amp; Institutional Water Conservation, Colorado Waterwise Council, June 2007.</b>   |
| Restaurant - Minimum   | 170     | 643.52           | Per m2                  |  |
| Restaurant - Maximum   | 210     | 794.93           | Per m2                  |  |
| <b>HOTEL with Summer peak season</b>   |         |                  |                         |  |
| Hotel Radisson Blu Resort Temple Bay's   |         | 429              | Per guest per night     | (70.8% better than the Best Practice level) - Recipient 2012 The HICAP Sustainable Operations Awards - Energy Consumption: 141.1 MJ / Guest Night (57% better than the Best Practice level)<br>Greenhouse Gas Emissions (Scope 1 and Scope 2): 27.7 kg CO2-e / Guest Night (45.5% better than the Best Practice level) - Waste Sent to Landfill: 1.0 L / Guest Night (47.4% better than the Best Practice level)<br>Community Commitment: 72% (12% better than baseline)<br>Community Contributions Rating: 84.2<br>(4.2 Points better than the Best Practice level) |
| <b>Hotels/Motels</b>   |         |                  |                         |  |
| Hotel/Motel - Minimum  | 79      | 299.0466         | Per m2                  | <b>Benchmarking Task Force Collaboration for Industrial, Commercial &amp; Institutional Water Conservation, Colorado Waterwise Council, June 2007.</b>   |
| Hotel/Motel - Maximum  | 165     | 624.591          | Per m2                  |  |
| Toilet Flushing  |         | 45               | Per person / Per day    | SUSTAINABLE WATER MANAGEMENT AND WASTEWATER PURIFICATION IN TOURISM FACILITIES, Guidelines for Sustainable Water Management in Tourism Facilities, European Union (EU), , Environment and Sustainable Development Programme of the 5th Framework Programme, SWAMP, EVK1-CT-2000-00071, www.swamp-eu.org, January 2005.   |
| Potable  |         | 3                | Per person / Per day    |  |
| Dishwashing  |         | 10               | Per person / Per day    |  |
| Washing  |         | 10               | Per person / Per day    |  |
| Laundry  |         | 22               | Per person / Per day    |  |
| Cleaning   |         | 15               | Per person / Per day    |  |
| Others   |         | 12               | Per person / Per day    |  |
| <b>Source: Instituto Universitario de Geografia (España?)</b>  |         |                  |                         |  |
| Hotel - 5***   |         | 394.00           | Per person              | Medium annual occupation: 88%  |
| Hotel - 3***   |         | 594.00           | Per person              |  |
| Hotel - 3-4 ***  |         | 253.00           | Per person              |  |
| Hotel and residences of 2-3 ***  |         | 280.00           | Per person              |  |
| Hotel - 4 ***  |         | 390.00           | Per person              |  |
| Hotel - 5***   |         | >450             | Per person              |  |
| <b>Source: FAO: Food and Agriculture Organisation, Fisheries and Aquaculture Department.</b>               |         |                  |                         |  |
| <b>HARBOUR Sewage estimated flow</b>   |         |                  |                         |  |
| <b>Auction hall flow rate</b>  |         | <b>Liter/day</b> |                         |  |
|  |         | 1                | per 1 Kg of fish landed |  |
| 10 litres per square metre of covered area (reduced to 2.5 litres if a high pressure jet cleaner is used); |         |                  |                         |  |

| Per person per day   | Gallons | Liters     | Unit   | Comments and Sources |
|--|---------|------------|--|----------------------|
| 10 litres per fish box handled (reduced to 2.5 litres if a high pressure jet cleaner is used); |         |            |  |                      |
| <b>Toilet and shower facilities flow rate</b>  |         | <b>100</b> | per person per day (full time employees + part-time) |                      |
| <b>Canteen services (hot food cooked on premises) flow rate</b>                                |         | <b>15</b>  | Per serving  |                      |

**Source: WHO 2003 "Domestic Water Quantity, Service, Level and Health"**

|  |  |                |                      |  |
|--|--|----------------|----------------------|--|
| <b>Basic minimum of water required / day</b>   |  | <b>7.5</b>     | Per day / Per person | Taking into account the needs of lactating women: Drinking water plus water for foodstuffs preparation   |
| <b>RURAL - Mozambique - Standpipe serving village 15 min away</b>                    |  | <b>12.3</b>    | Per person / Per day | Example Mozambique Cairncross (1987)   |
| <b>RURAL - Mozambique - Well &gt; 5 hours walk</b>                                   |  | <b>3.24</b>    | Per person / Per day | Example Mozambique Cairncross (1987)   |
| <b>RURAL - Uganda - Piped into house</b>   |  | <b>155</b>     | Per person / Per day | Example Uganda - WELL, 1998  |
| <b>RURAL - Uganda - Supplied yard level</b>  |  | <b>50</b>      | Per person / Per day | Example Uganda - WELL, 1998  |
| <b>RURAL - Uganda - Outside Home</b>   |  | <b>17</b>      | Per person / Per day | Example Uganda - WELL, 1998  |
| <b>RURAL - Kenya, Tanzania - Water supply OUTSIDE Home - WASHING DISHES + CLOTHE</b> |  | <b>6.6</b>     | Per person / Per day | Example Kenya, Tanzania, Uganda - Thompson et al., 2001)   |
| <b>RURAL - Kenya, Tanzania - BATHING</b>   |  | <b>7.3</b>     | Per person / Per day | Example Kenya, Tanzania, Uganda - Thompson et al., 2001)   |
| <b>RURAL - Kenya, Tanzania - Water supply INSIDE Home - WASHING DISHES + CLOTHE</b>  |  | <b>16.3</b>    | Per Person ?         | Example Kenya, Tanzania, Uganda - Thompson et al., 2001)   |
| <b>RURAL - Kenya, Tanzania - BATHING</b>   |  | <b>17.4</b>    | Per person / Per day | Example Kenya, Tanzania, Uganda - Thompson et al., 2001)   |
| <b>RURAL Communal Level (Shared tap)</b>   |  | <b>20</b>      | Per person / Per day | if multiple taps are provided this will increase further.  |
| <b>RURAL Communal level (In-house tap)</b>   |  | <b>50</b>      | Per person / Per day |  |
| <b>RURAL - Individualized taps</b>   |  | <b>&gt; 50</b> | Per person / Per day |  |
| <b>EMERGENCY</b>   |  | <b>7.5</b>     | Per person / Per day |  |
| <b>RELIEF WATER</b>  |  | <b>15</b>      | Per person / Per day | Key indicator in meeting minimum standards for disaster relief (SPHERE, 1998)  |
| <b>Recommended minimum</b>   |  | <b>20</b>      | Per person / Per day | In their guidance manual prepared for the Department for International Development (UK), WELL (1998)   |
| <b>Recommended minimum</b>   |  | <b>50</b>      | Per person / Per day | Gleick (1996) suggestion that the international community adopt a figure of 50 litres per capita per day as a basic water requirement for domestic water supply. |

| Per person per day   | Gallons | Liters   | Unit                           | Comments and Sources                        |
|--|---------|----------|--------------------------------|---|
| <b>Source: Benchmarking Task Force Collaboration for Industrial, Commercial &amp; Institutional Water Conservation, Colorado Waterwise Council, June 2007.</b> |         |          |                                |   |
| Hotels/Motels  |         |          |                                | 0.079 - 0.165 thousand gals. (Kgal)/sq. ft. |
| Hotel/Motel - Minimum  | 79      | 27.8     | Per m2                         |   |
| Hotel/Motel - Maximum  | 165     | 58.1     | Per m2                         |   |
| Auditorium   | 60      | 227      | Per person / Per day           |   |
| Construction camp  | 55      | 208      | Per person / Per day           |   |
| Camp – summer camp   | 100     | 379      | Per campsite                   |   |
| Campground (no water or sewer hookups)   | 120     | 454      | Per campsite                   |   |
| Campground (with hookups)  | 15      | 57       | Per person / Per day           |   |
| Day Care   | 25      | 95       | Per person per shift           |   |
| Factory (not including industrial waste)   | 300     | 1136     | Per Person ?                   |   |
| Hospital   | 300     | 1136     | Per bed                        |   |
| Institution (with residents)   | 100     | 379      | Per person                     |   |
| Laundry  | 450     | 1703     | Per standardized machine       |   |
| Marina (no bathhouse)  | 10      | 38       | Per boat slip                  |   |
| Marina (with bathhouse)  | 30      | 113.56   | Per boat slip                  |   |
| Motor pool   | 300     | 1,135.62 | Per car wash                   |   |
| Office buildings (without cafeteria)   | 25      | 94.64    | Per employee                   |   |
| Restaurant – 24 hour   | 50      | 189.27   | Per seat                       |   |
| Restaurant – standard (or cafeteria)   | 35      | 132.49   | Per seat                       |   |
| Restaurant –food stand   | 5       | 17.58    | Per 10m2 of total floor space  |   |
| School –boarding school  | 60      | 227.12   | Per student                    |   |
| School –day school (no cafeteria or showers)   | 10      | 37.85    | Per student                    |   |
| School –day school (with cafeteria)  | 12      | 45.42    | Per student                    |   |
| School –day school (with cafeteria, showers, gym)  | 15      | 56.78    | Per student                    |   |
| Service station - 1st bay or pump  | 1000    | 3,785.40 | For first bay or pump island   |   |
| Service station - Additional bay or pump   | 500     | 1,892.70 | Per additional bay/pump island |   |
| Stadium  | 5       | 18.93    | Per seat                       |   |
| Swimming pool  | 10      | 37.85    | Per swimmer                    |   |
| Swimming pool (with hot water shower)  | 13      | 49.21    | Per swimmer                    |   |
| Nursing Home   |         |          |                                |   |
| Nursing - Minimum  | 62      | 21.90    | Per m2                         |   |
| Nursing - Maximum  | 101     | 35.60    | Per m2                         |   |
| Restaurants - Per m2   |         |          |                                |   |
| Restaurant - Minimum   | 170     | 59.80    | Per m2                         |   |
| Restaurant - Maximum   | 210     | 73.90    | Per m2                         |   |
| Schools - Per m2   |         |          |                                |   |
| Schools - Per m2 - Minimum   | 12      | 4.30     | Per m2                         |   |
| Schools - Per m2 - Maximum   | 19      | 6.7      | Per m2                         |   |

| Per person per day  | Gallons | Liters  | Unit                      | Comments and Sources   |
|---|---------|---------|---------------------------|--|
| <b>Example of average consumptions in the World (Liter / per person / day) on various referenced publications</b> |         |         |                           |  |
| INDONESIA - Palembang   |         | 130     | Per person                | KFW - Entwicklungsbank   |
| INDONESIA   |         | 112     | Per person                |  |
| USA   |         | > 300   | Per person                | Washington Suburban Sanitary Commission  |
| USA   |         | 189-265 | Per person                | Homes built before 1994 - Cited in "Treatment Wetlands", Second Edition, Robert H. Kadlec and Scott D. Wallace, CRC Press, 2009  |
| USA   |         | 161-227 | Per person                | Water-efficient appliances widely used since 1994 (source: U.S. EPA, 2002c - Cited in "Treatment Wetlands", Second Edition, Robert H. Kadlec and Scott D. Wallace, CRC Press, 2009)                                    |
| Europe  |         | 150     | Per person                | EU statistics  |
| SPAIN - Overall   |         | 171     | Per person                | Ministerio de Medio Ambiente   |
| SPAIN - Andalucia   |         | 189     | Per person                | Ministerio de Medio Ambiente   |
| Jordan  |         | 90      |                           | Wastewater characteristics and effluent quality parameters, Natural Resources Management and Environment Department, Food and Agriculture Organization (FAO)   |
| ISRAEL  |         | 306     | Per person                | <a href="http://www.biu.ac.il/Besa/waterarticle4.html">http://www.biu.ac.il/Besa/waterarticle4.html</a> - Bar-Ilan University - Prof. Benjamin Zur - IMPROVING THE EFFICIENCY OF WATER USE: SUMMARY OF RECOMMENDATIONS |
| MALDIVES  |         | 80      | With pour flush toilet    | (from Falkland, 2001b) - Water resources management in Maldives with an emphasis on desalination   |
| MALDIVES  |         | 110     | With cistern flush toilet | (from Falkland, 2001b) - Water resources management in Maldives with an emphasis on desalination   |
| SWEEDEN   |         | 330     | Per person                | WWF - Global Water Footprint   |

**From the United Nations Economic and Social Commission for Asia and Pacific (ESCAP) - Statistical Yearbook for Asia and the Pacific 2007 - Data 2000**

|                    |                              |              |                      |
|--------------------|------------------------------|--------------|----------------------|
| Afghanistan        |                              | 56.4         | Per person / Per day |
| Australia          |                              | 510.9        | Per person / Per day |
| CAMBODIA           |                              | 13.1         | Per person / Per day |
| China              |                              | 90.9         | Per person / Per day |
| India              |                              | 138.7        | Per person / Per day |
| Indonesia          |                              | 87           | Per person / Per day |
| Japan              |                              | 380.6        | Per person / Per day |
| Republic of Korea  |                              | 393.1        | Per person / Per day |
| DPR Korea          |                              | 216.7        | Per person / Per day |
| Malaysia           |                              | 181.4        | Per person / Per day |
| Mongolia           |                              | 101.2        | Per person / Per day |
| New Zealand        |                              | 457.3        | Per person / Per day |
| Philippines        |                              | 172.5        | Per person / Per day |
| Russian Federation |                              | 270.9        | Per person / Per day |
| Thailand           |                              | 99.5         | Per person / Per day |
| Turkey             |                              | 226.7        | Per person / Per day |
| Vietnam            |                              | 194.5        | Per person / Per day |
|                    | <b>Average Low-income</b>    | <b>123.4</b> | Per person / Per day |
|                    | <b>Average Middle-Income</b> | <b>119.5</b> | Per person / Per day |
|                    | <b>Average High-Income</b>   | <b>403.1</b> | Per person / Per day |
|                    | <b>Other Asia Pacific</b>    | <b>168.1</b> | Per person / Per day |

| Per person per day                     | Gallons | Liters | Unit                 | Comments and Sources |
|--|---------|--------|----------------------|----------------------|
| <b>Per person / Per region average</b> |         |        | Per person / Per day |                      |
| Africa                                 |         | 86.4   | Per person / Per day |                      |
| Latin America and Caribbean            |         | 271.4  | Per person / Per day |                      |
| North America                          |         | 614.8  | Per person / Per day |                      |
| Europe                                 |         | 239.8  | Per person / Per day |                      |

| Other use of water   |  |            |  |  |
|--|--|------------|--|--|
| Manufacture of 1 tonne of paper.   |  | 55,000.00  |  | To be confirmed  |
| Manufacture of 1 tonne of steel.   |  | 400,000.00 |  | To be confirmed  |
| Pour produire 1 litre de lait, il faut 1 000 litres d'eau.<br>100. Pour produire 1 kilogramme de :<br>- riz, il faut 3 000 litres d'eau<br>- maïs, il faut 900 litres d'eau<br>- blé, il faut 1 350 litres d'eau<br>- bœuf, il faut 16 000 litres d'eau  |  |            |  | To be confirmed  |
| A steel mill, for example, might discharge anywhere from 5700 to 151,000 liters (about 1500 to 40,000 gallons) per ton of steel manufa   |  |            |  | To be confirmed  |
| Le tourisme du golf a un impact énorme sur les prélèvements d'eau : un golf à 18 trous peut consommer plus de 2,3 millions de litres d'eau par jour. Aux Philippines, les prélèvements d'eau utilisés pour le tourisme menace les rizières. Les touristes qui visitent Grenade, en Espagne, utilisent généralement sept fois plus d'eau que les habitants de la ville et cet écart est courant dans toutes les zones touristiques en développement although great efforts have taken place in the last few years to reduce this amount and use wastewater.<br>- Dans un pays tropical tel que la Thaïlande, un terrain de golf moyen nécessite 1 500 kg d'engrais chimiques, de pesticides et d'herbicides par an et utilise autant d'eau que 60 000 personnes vivant dans un village rural. |  |            |  | 1er Rapport mondial des Nations Unies sur la mise en valeur des ressources en eau, «L'eau pour les hommes, l'eau pour la vie» (2003), <a href="http://www.unesco.org/water/wwap/wwdr1/table_contents/index.shtml">http://www.unesco.org/water/wwap/wwdr1/table_contents/index.shtml</a> ; 2ème Rapport mondial des Nations Unies sur la mise en valeur des ressources en eau, «L'eau, une responsabilité partagée» (2006), <a href="http://www.unesco.org/water/wwap/wwdr2/table_contents.shtml">http://www.unesco.org/water/wwap/wwdr2/table_contents.shtml</a> et de la section sur le Tourisme durable du Programme des Nations Unies pour l'environnement, <a href="http://www.uneptie.org/pc/tourism/sust-tourism/env-3main.htm">http://www.uneptie.org/pc/tourism/sust-tourism/env-3main.htm</a> . |