

KARACHI WATER SUPPLY															
Production & Distribution	<p>Population: 10,947,000 (2001)</p> <table border="0"> <tr> <td>Annual Production</td> <td style="text-align: right;">800,511,430 m³</td> </tr> <tr> <td> Groundwater</td> <td style="text-align: right;">0.3%</td> </tr> <tr> <td> Surface Water</td> <td style="text-align: right;">99.7%</td> </tr> <tr> <td colspan="2">Annual Consumption</td> </tr> <tr> <td> Domestic</td> <td style="text-align: right;">459,493,390 m³</td> </tr> <tr> <td> Nondomestic</td> <td style="text-align: right;">100,864,465 m³</td> </tr> <tr> <td> Total</td> <td style="text-align: right;">560,357,855 m³</td> </tr> </table>	Annual Production	800,511,430 m ³	Groundwater	0.3%	Surface Water	99.7%	Annual Consumption		Domestic	459,493,390 m ³	Nondomestic	100,864,465 m ³	Total	560,357,855 m ³
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Small-scale Water Providers	<p>There are three types of small-scale water vendors, serving about 20% of the city's population: operators of tanker lorries (5,450 liters), operators of donkey carts (500–1,000 liters), and persons who manually transport leather bags (30 liters). In low-income areas and the central business district, drinking water is purchased and groundwater is used for washing and cleaning. The main water outlets are KWSB hydrants around the city. This water, which generally needs to be boiled for drinking, costs US\$0.27/m³. However, private vendors obtain water from these hydrants at much lower, illegal, rates. Their profitability is, therefore, very high. KWSB receives very little revenue from the hydrants. About 30% of squatter settlements (<i>kachi abadis</i>) are supplied water by KWSB through tankers without charge. Bottled water costs about US\$0.50/20 liters.</p>														
Private Sector Participation	<p>There has been no PSP in the water sector. However, PSP has been obtained for the operation and maintenance of the Mauripur Sewage Treatment Plant. A build-operate-own-transfer contract, which was supported enthusiastically by the city government and the association of industries, has been signed by KWSB for treating effluent from the SITE Treatment Plant (TP-1) for industrial use.</p>														
Flood Management	<p>KWSB is not responsible for storm water drainage, which is the responsibility of the city government (formerly the Karachi Municipal Corporation). Rainfall is low and occurs only once in 4–5 years; thus, flooding from this source is not a problem. Flooding of the Malir River inundated areas in the past, until the Government built flood protection dikes along its banks.</p>														
Notes	<p>¹ The average number of persons per connection in 2001 was 5. The increase in total connections in 2001 was about 3,600. ² Except for bulk consumers, water supply is on alternate days for 2-4 hours only.</p>														
Data as of 2001.															

