

# Index

- affordability. *See* user payments  
aquifer. *See* groundwater
- biosensor, 21  
Bishwa Ijtema, 19–20
- colonialism, policies, 18, 61, 82  
community-based management, 50, 74  
COVID-19, 1, 21, 76, 81
- drought, 59, 81–82
- E. coli*. *See* water quality, drinking  
effluent treatment plants. *See* water quality, river
- flash floods, 90  
flood, riverine, 21
- groundwater  
  Khulna, 39  
  Kitui, 61  
  Turkana, 93–94, 96
- habitus, 4  
Harambee, 61  
human rights for water, 63, 72
- informal markets. *See* water vending
- LOWASCO. *See* water service provider
- main source, drinking  
  Dhaka, 25  
  Khulna, 45  
  Kitui, 64  
  Lodwar, 84  
Millennium Development Goal, 3  
Multiple Indicator Cluster Survey, 48
- neoliberal, policies, 6, 29, 62
- oil, Turkana, 93  
operation and maintenance  
  handpump and kiosks, 72–74  
  pond sand filter, 51  
  tube wells, 52
- pastoralism, 81–82  
polders, 36  
professional maintenance service  
  Fundifix, 74–75  
  SafePani, 52–54
- rainfall  
  Khulna, 36  
  Kitui, 57–58  
  Turkana, 78–79  
rainwater harvesting. *See* water supply infrastructure  
regulation  
  drinking water, Kenya, 62–64  
  fines, textiles, 29–30  
  private, brand-led, 30  
results-based funding. *See* professional  
  maintenance service
- rights, river, 31  
risk, 2, 4  
  financial. *See* operation and maintenance  
  institutional. *See* community-based management
- river  
  Buriganga, 15–16  
  Dhaleswari, 28, 31  
  Turag, 22, 31
- salinity. *See* water quality, drinking  
sanitation, 93  
  Dhaka, 25
- schools  
  Khulna, 43, 51, 54  
  Kitui, 62, 69
- small water enterprises. *See* water vending  
survey, household, 117–118  
  Dhaka, 22–24  
  Kitui, 64  
  Lodwar, 84  
Sustainable Development Goal, 3  
  SDG target 6.1, 3  
  SDG target 6.3, 3, 14

- tannery, relocation, 28, 31
- tariff structure
  - flat fees, 74
  - pay-as-you-fetch, 73
- tube well. *See* water supply infrastructure
- user payments
  - Khulna, 48, 51
  - Kitui, 69, 72
  - Lodwar, 84–87
- Water Acts, Kenya
  - the Water Act 2002, 62
  - the Water Act 2016, 63
- water diary, 8, 108–114
- water quality, drinking
  - E. coli*, 48, 69
  - Khulna, 46–48, 55
  - Kitui, 66, 69
  - Salinity, 39–40
- water quality, river, 19–21
  - dissolved oxygen, 19, 21
  - effluent treatment plant, 16, 31
  - heavy metals, 16, 19, 121
- water service provider
  - DWASA, 23
  - LOWASCO, 83–84, 87–89
  - rural, Kitui, 63
- Water Services Trust Fund, 64
- water source choices
  - Khulna, 45–46
  - Kitui, 66–67
- water supply infrastructure, 119
  - ATM-operated kiosks, 89, 95
  - handpump, 62
  - pipelined scheme, rural, 41
  - pipelined system, urban.
    - See* LOWASCO
  - pond sand filter, 41
  - rainwater harvesting, 43, 48–50
  - reverse osmosis, 42
  - sand dams, 60
  - tube well, 38–39
- water use behaviour, 98. *See also* water source choices
- water vending
  - Khulna, 41–42, 48
  - Lodwar, 91–92