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 piped scheme, rural, 41 piped 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