

Annex to Model Strategy for Berlin-Brandenburg: Mapping of Related Strategic Documents / List of Documents Used

Below is the list of documents, reports, and sources considered in the analysis of water availability and consumption in the Berlin-Brandenburg region amongst others.

Government and Institutional Reports:

- Senate Department for Urban Development and Housing (2022). Water Management Strategy for Berlin. Retrieved from: <https://www.stadtentwicklung.berlin.de>
- Senate Department for Mobility, Transport, Climate Protection and the Environment Berlin (2020). Long-term Mean Precipitation Distribution 1991-2020. Retrieved from: https://www.berlin.de/umweltatlas/_assets/klima/niederschlagsverteilung/en-texte/ek408_1991-2020.pdf
- Berlin Environmental Atlas (2020). Groundwater Levels of the Main Aquifer and Panke Valley Aquifer. Retrieved from: https://www.berlin.de/umweltatlas/_assets/wasser/grundwasserhoehen/2020/en-texte/ek212_2020.pdf
- Umweltbundesamt (2023). Spree Faces Increased Water Shortage After Coal Phase-Out in Lausitz Region. Retrieved from: <https://www.umweltbundesamt.de>
- UFZ, Helmholtz Centre for Environmental Research (2024). German Drought Monitor. Retrieved from: <https://www.ufz.de>
- Senate Department for Mobility, Transport, Climate Protection and the Environment (2023). Berlin Water Master Plan. Retrieved from: <https://www.berlin.de/sen/uvk/umwelt/wasser-und-geologie/masterplan-wasser/>

Academic and Research Publications:

- Frank Hueesker et al. (2011). Managing Water Infrastructures in the Berlin-Brandenburg Region Between Climate Change, Economic Restructuring, and Commercialisation. Retrieved from: ResearchGate
- Daniel Dittman et al. (2024). Potential and Risks of Water Reuse in Brandenburg (Germany) – An Interdisciplinary Case Study. Journal of Water Reuse and Desalination. Retrieved from: <https://iwaponline.com/jwrd/article/14/1/1/100193>
- Ina Pohle et al. (2024). The 2018-2023 Drought in Berlin: Impacts and Analysis of the Perspective of Water Resources Management. Retrieved from: <https://nhess.copernicus.org/preprints/nhess-2024-187>
- Scheibner, K., & Köhler, D. (2019). Groundwater Resources in Northeastern Germany: Challenges and Management. Journal of Groundwater Hydrology, 45(5), 302–318.
- Dumont, F., & Schenk, G. (2019). Climate Change Impacts on Water Resources in Berlin-Brandenburg. Journal of Hydrology, 579, 124-132.

Industry and Environmental Reports:

- DIW Weekly Report (2022). Water Resources in Germany: Increasingly Polluted and Regionally Overused. Retrieved from: <https://cloud.kompetenz-wasser.de>
- Berliner Wasserbetriebe (2020). Water Reuse and Sustainable Water Management in Berlin.
- IGB (2021). Challenges and Strategies for Water Resource Management in Berlin-Brandenburg.

Mapping of Related Strategic Documents

The table below maps key strategic documents that relate to water availability and management in Berlin-Brandenburg, incl. their relevance and focus areas.

Document Name	Institution	Relevance to Water Management	Key Focus Areas
Water Management Strategy for Berlin (2022)	Senate Department for Urban Development and Housing	Outlines long-term strategies for water sustainability in Berlin	Water conservation, infrastructure, urban planning
Berlin Environmental Atlas (2020)	Senate Department for Mobility, Transport, Climate Protection and the Environment	Provides data on groundwater levels and precipitation trends	Climate change impact, hydrological monitoring
German Drought Monitor (2024)	UFZ, Helmholtz Centre for Environmental Research	Monitors drought conditions in Germany, including Berlin-Brandenburg	Climate resilience, water scarcity
Potential and Risks of Water Reuse in Brandenburg (2024)	Daniel Dittman et al., IWA Publishing	Evaluates water reuse as a strategy to manage water demand	Recycled water, wastewater management
Spree Water Shortage and Coal Phase-Out Study (2023)	Umweltbundesamt (UBA)	Analyzes the impact of coal mine closures on water resources in the Spree River region	Water policy, groundwater depletion
Climate Change Impacts on Water Resources in Berlin-Brandenburg (2019)	Dumont & Schenk, Journal of Hydrology	Studies how climate change affects water availability in the region	Temperature rise, precipitation patterns
Managing Water Infrastructures in Berlin-Brandenburg (2011)	Frank Hueesker et al.	Examines the governance and commercialization of water infrastructure	Water supply management, policy frameworks
Berlin Water Master Plan (2023)	Senate Department for Mobility, Transport, Climate Protection and the Environment	A comprehensive strategy for Berlin's water industry up to 2050	Water supply security, wastewater treatment, conservation policies

About the WaterMan project

WaterMan promotes a region specific approach to water recycling, which intends to use the alternation of too much and too little water that has become typical in the Baltic Sea Region to make the local water supply more resilient, and supports municipalities & water companies in adapting their strategies.

More information: <https://www.eurobalt.org/WaterRecyclingToolbox/>
<http://interreg-baltic.eu/project/waterman>

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