

GW-Mobile is the mobile data acquisition companion for GW-Base designed for Android™ devices. Its comprehensive features assist in capturing hydrological data and other environmental parameters seamlessly, transferring them directly to GW-Base without future additional manual input. Extensive validation routines ensure the integrity and completeness of the collected data.

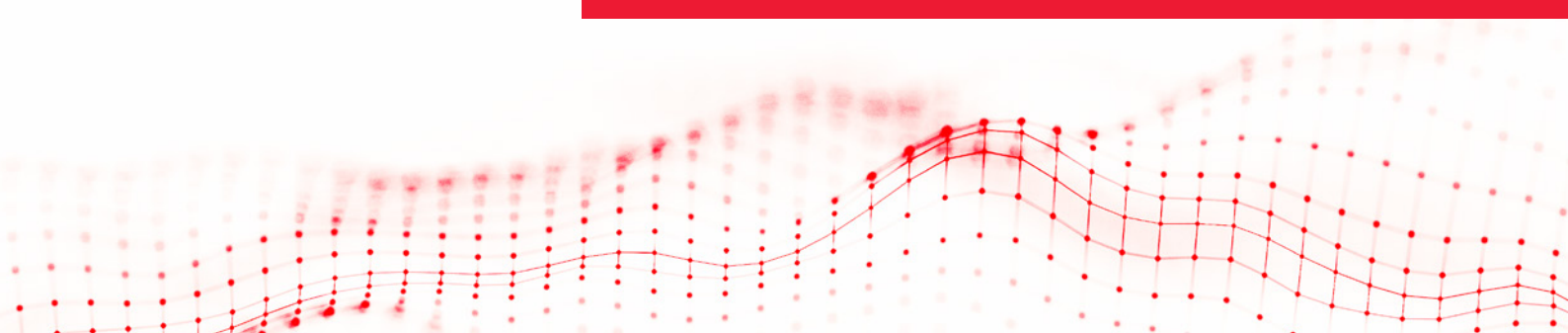


SOME FEATURES OF GW-MOBILE

- Data transfer from the mobile device to GW-Base
- Accessibility of all measurement point data, site plans, etc. on mobile devices
- Navigation and visualization of measurement points using Google Maps™
- Distinct identification of measurement points through integrated barcode scanning
- Presentation of measurement data in tables and time series diagrams
- Capture of predefined on-site parameters directly in the field
- Exchange of structure-related work information
- Immediate linking of images taken in the field to the respective measurement point
- Comprehensive validation for completeness and plausibility of newly captured data

MOBILE WATER DATA ACQUISITION

safe – easy to use – fast



ROUTE PLANNING

Optimal route planning is a crucial component of an efficient and cost-effective groundwater monitoring process. With GW-Base, you can create your measurement routes both in a tabular format and interactively directly on the map. These routes are then transmitted to your GW-Mobile app. Assigning the collected data from a measurement route to specific employees ensures additional plausibility checks and adherence to quality standards. Importantly, there is no limit to the number of individuals who can be assigned to a measurement route.

DATA ACQUISITION

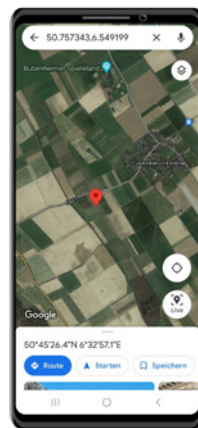
With GW-Mobile, you can capture not only water levels but also a wide range of hydrological data, quality parameters, and project-specific information. The application allows documentation of, for example, flow measurements, structure-related work, meter readings, and operating hours. Additionally, you can record depth-related measurements to create hydrochemical depth profiles, with the option to document location and time if desired.

DATA VALIDATION

Comprehensive plausibility checks based on your predefined criteria (such as allowable fluctuation ranges and thresholds) ensure credible data. For water level measurements, plausibility is additionally assessed based on the technical master data of each measurement point. Relevant warning alerts provide immediate indications of potential input errors. Through the user management feature in GW-Base, settings can be adjusted to determine whether previous field measurements should be available for data validation. These data can optionally be displayed in both tabular and time series formats within your GW-Mobile app.

STATION DISCOVERY AND IDENTIFICATION

Comprehensive master data simplifies locating measurement points and minimizes the risk of confusion. The display on Google Maps and integrated GPS navigation facilitate easy identification of your targets. Furthermore, GW-Mobile recognizes measurement points via barcodes using a barcode scanner to eliminate any potential confusion.



Easy search with Google Maps™

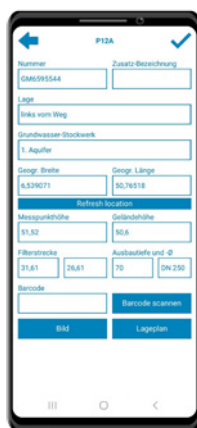


DATA TRANSMISSION

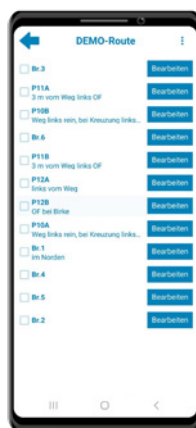
The communication between GW-Base and GW-Mobile occurs through your SFTP server. The straightforward setup on both ends enables swift data exchange, regardless of location. In a short period, you can efficiently manage the field-collected data at your workstation via GW-Base..



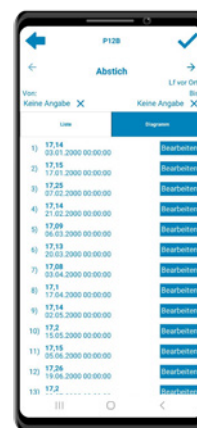
Easy measuring point identification



Measurement point master data overview



Current route in overview



Tabular presentation of water level values



Hydrograph presentation of water level data

