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Manuscript ID: applsci-3149838

Title: Monitoring Seepage Through Artificial Levees: A Case Study in Békés, Hungary

The geophysical data collection in the field using GeoTom MK8E100 apparatus connected to a multi-electrode system and GSSI SIR 3000 apparatus in the distance mode connected to an antenna with a central frequency of 200 MHz was done by **Enas Abdelsamei, Attila Timar, Diaa Sheishah, Sándor Hajdú, and György Sipos.**

Practical insights and guidance from an investigation standpoint of the ERT data in the field was assisted by **Alexandru Hegyi.**

Practical insights and guidance from an investigative perspective, contributing valuable resources to the study was done by **Viktória Blanka.**

The processing of ERT data by using RES2DINV 3.4, constructing 3D models from parallel 2D lines using the modeling software ResIPy was done by **Enas Abdelsamei, Attila Timar, Diaa Sheishah, and Ahmed M. Ali.**

Processing of the GPR data by using RADAN 7 software and performing the 3D GPR analysis by using the software GPR-Slice were done by **Enas Abdelsamei, Attila Timar, Diaa Sheishah.**

The dielectric permittivity calculations were done by **Enas Abdelsamei, Diaa Sheishah.**

The boreholes were done by **Diaa Sheishah, Sándor Hajdú.**

Grain size distributions were analyzed using a Fritsch Analysette 22 laser analyzer at University of Szeged by **Sándor Hajdú.**

Analysis of the borehole samples, determining the different physical properties and the relations among them were done in the soil laboratory at the University of Szeged by **Karoly Barta, and Diaa Sheishah.**

drafting the original manuscript was done by **Enas Abdelsamei, Attila Timar, and Diaa Sheishah**, and all the other co-authors participated in the review and editing process.

The academic supervision, providing guidance and oversight throughout the research process was done by **György Sipos.**