Planned pathway across the Rospuda river valley seems to be rather controversial. There is a reasonable fear that the investment may negatively affect natural values of the valley. Water conditions, for example, may change posing a risk of degradation to flora and fauna. This paper presents computer modelled groundwater conditions in the valley during both construction and exploitation of the pathway.

The numerical model MODFLOW used in this study allowed to simulate present groundwater conditions of the valley. With this model it was also possible to predict the magnitude of likely future changes in groundwater tables after accomplishment of the construction.

Methodology of the research and model outputs in various scenarios (different technologies of running the road) are presented in the paper.

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