



## **Local Geodynamic Network in the Pieniny Klippen Belt - Results of seven GPS Measurement Epochs**

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The results of seven GPS observational epochs have demonstrated mutual approaching trend of the magura nappe and the podhale fish. Such a trend was disturbed in the period of 1995 and 2001 when the dam on the Dunajec-river was constructed and artificial lake was created. A hypothesis saying that the filling of the lake resulted in temporarily driving apart the magura nappe and podhale fish presumed. After 2001 the tectonic structures 'started to approach each other'. The control points within the limits of the Pieniny klippen belt demonstrate oscillatory changes of coordinates in the range of  $\pm 15$  mm. Discussion of the results are presented in the paper.