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Application of the **Deep GPR** method for geological exploration for alluvial/placer deposits

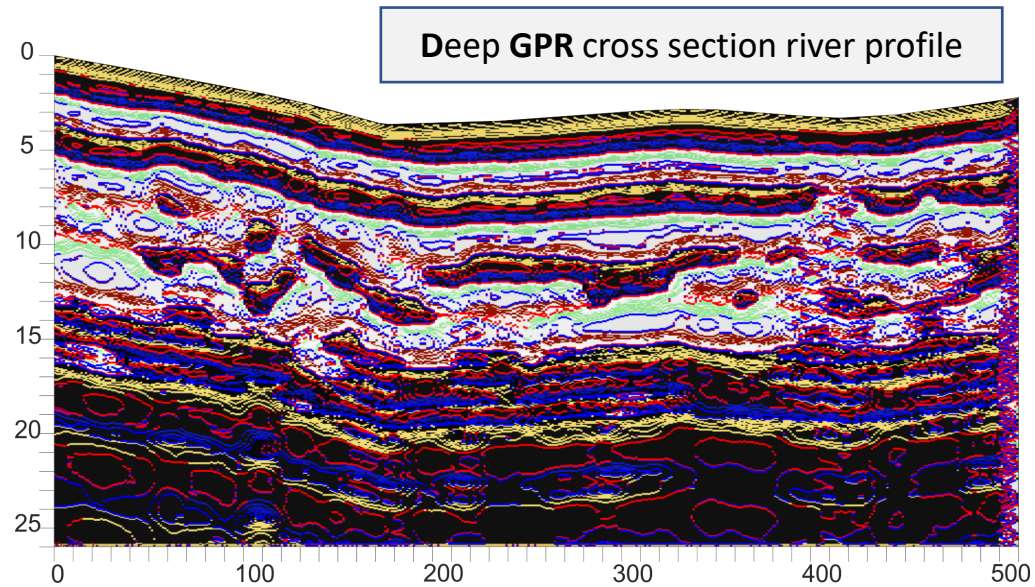


D
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G
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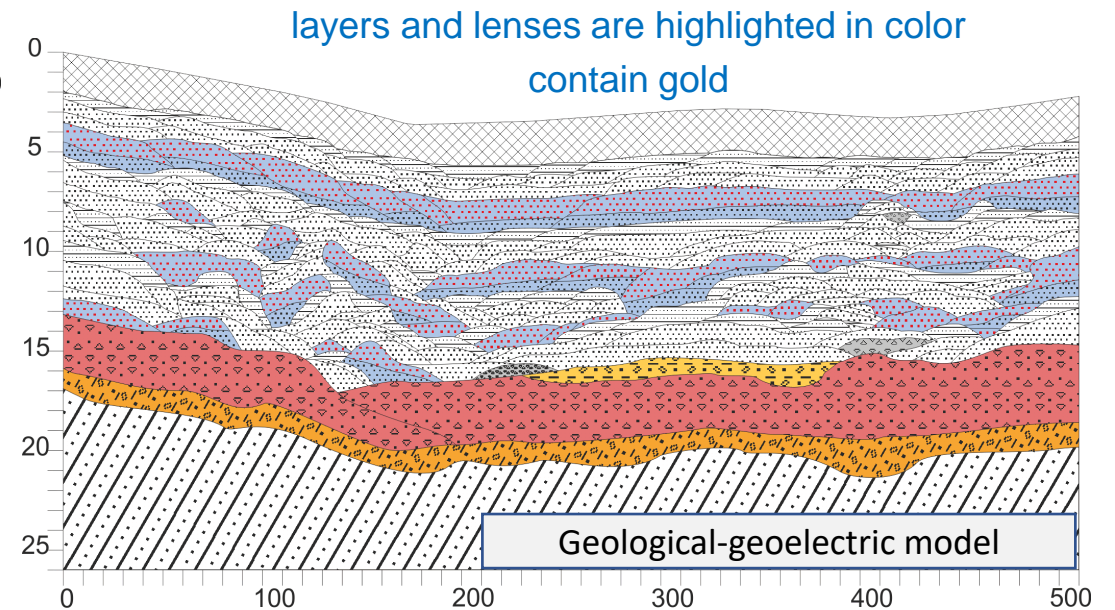
R
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Example of lithological differentiation of the section

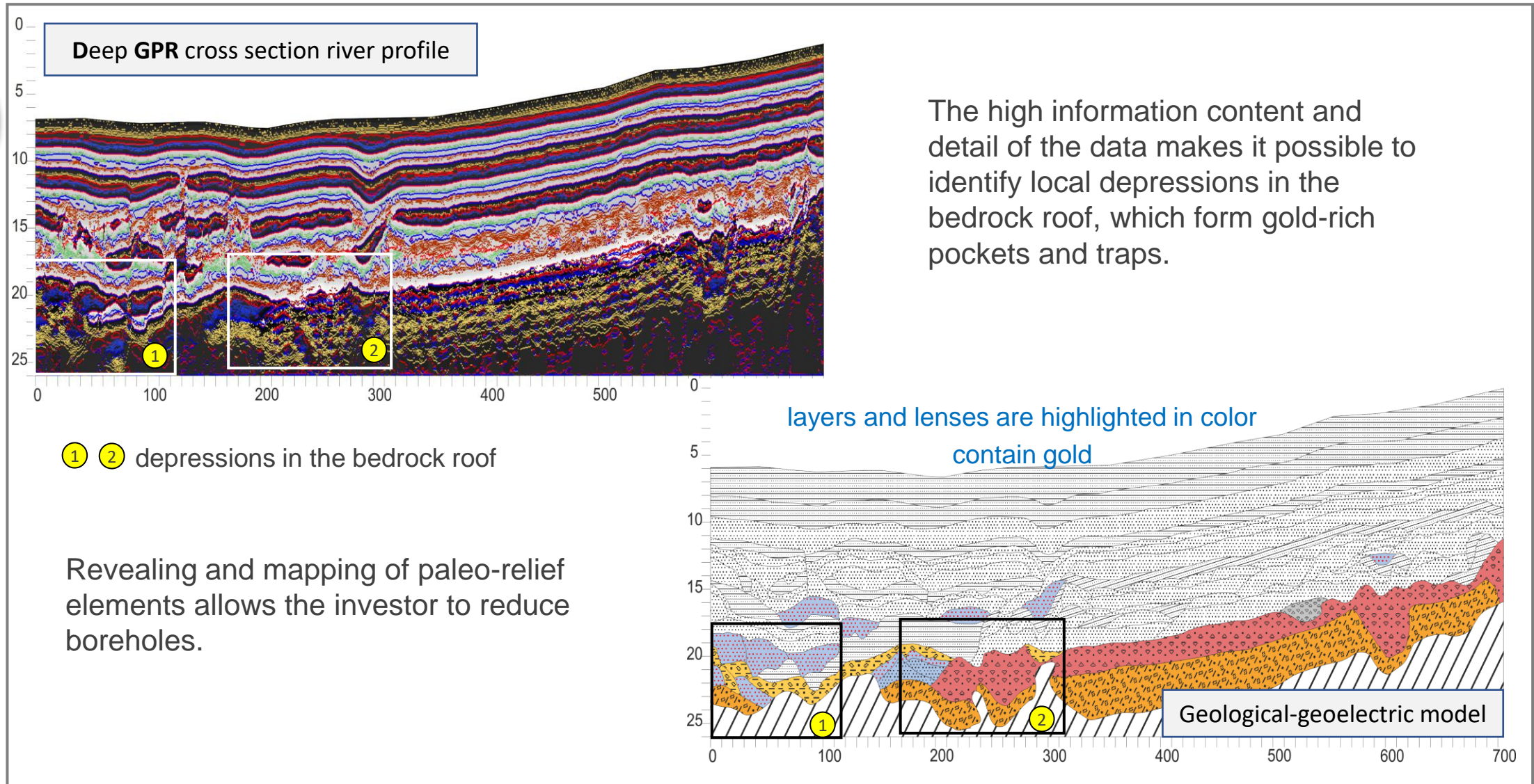


GPR data make it possible to more accurately build a geological model of the river valley profile and stages of sedimentation, to predict structures and intervals that are promising for concentration. At the same time, a significant reduction in drilling volumes and an increase in information content are achieved.

The resulting **GPR** sections are highly informative and detailed. When analyzing and interpreting the data, the tasks of lithological differentiation of the section with the allocation of clay, sand and gravel-pebble deposits are successfully solved.

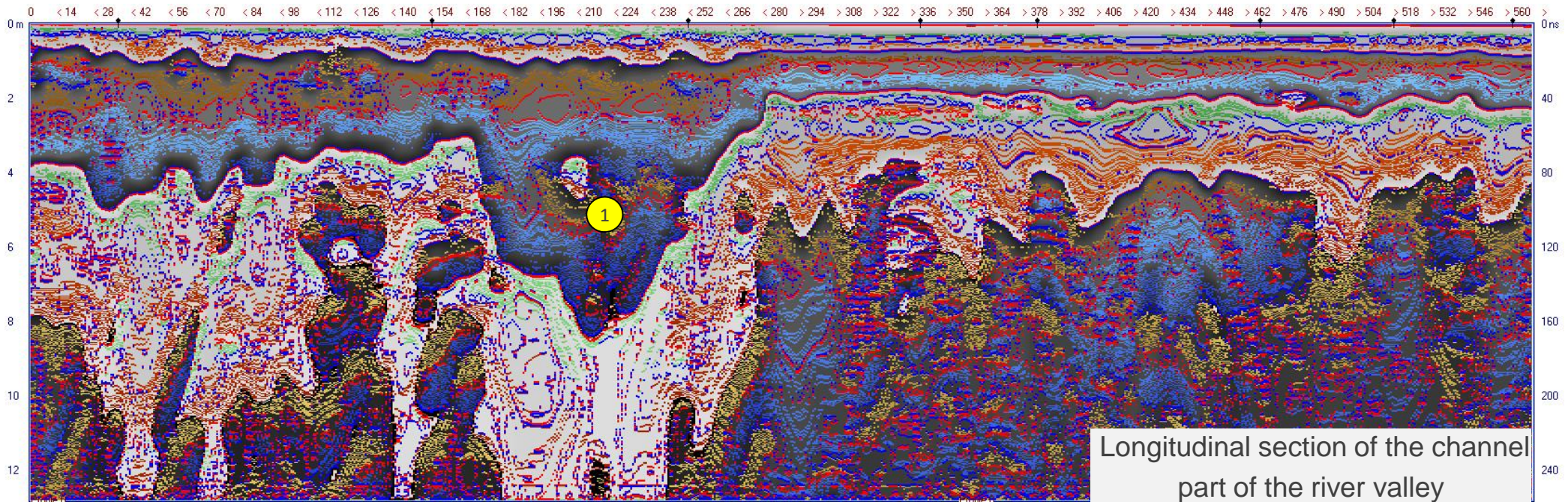


Example of identifying traps and pockets in bedrock



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In the case of longitudinal profiling, ledges, thresholds and depressions in the raft associated with zones of structural-tectonic faults, which form pockets and traps on the path of material transfer, are confidently fixed. Such traps are of considerable interest as they are rich in high grades of coarse gold and nuggets.



① depressions in the bedrock roof

Example of distinguishing different stages of sedimentation

