Antagonistic perception of a rock-mass as geomorphosite and/or mineral resource with specific concern of natural stone for heritage conservation

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Prior to industrial era, the quarrying of natural stone was primarily local (the stone has been used very close to its extraction in most of the cases), small scale, occasional (the stone has been extracted only when needed for specific construction, permanent operations were much rarer than nowadays) but long-term (the quarrying activity at one site persisted over centuries very often). The landscape affected by such quarrying (as we can observe it at present) gained numerous new values (e.g., increased morphological contrast, succession of wildlife habitat, etc.) that are often appreciated more than the presence of valuable mineral resource – natural stone. If these site were claimed natural monuments or gained another type of environmental protection, any further extraction of natural stone is prohibited. However, if the specific site was used for extraction of natural stone that has been used for construction which later became cultural heritage object, the antagonistic perception of the site might appear – the site might be protected as a geomorphosite but, at the same time, it can be a source of unique natural stone required for the restoration of cultural heritage objects. This paper, along with above mentioned basic relationships, provides some real examples connected with the difficulties to find the extractable source of natural stone for restoration of iconic cultural heritage objects – specifically search for sources of Carboniferous arkoses to be used for replacement of the decayed ashlers at the Gothic Charles Bridge in Prague (Czech Republic).