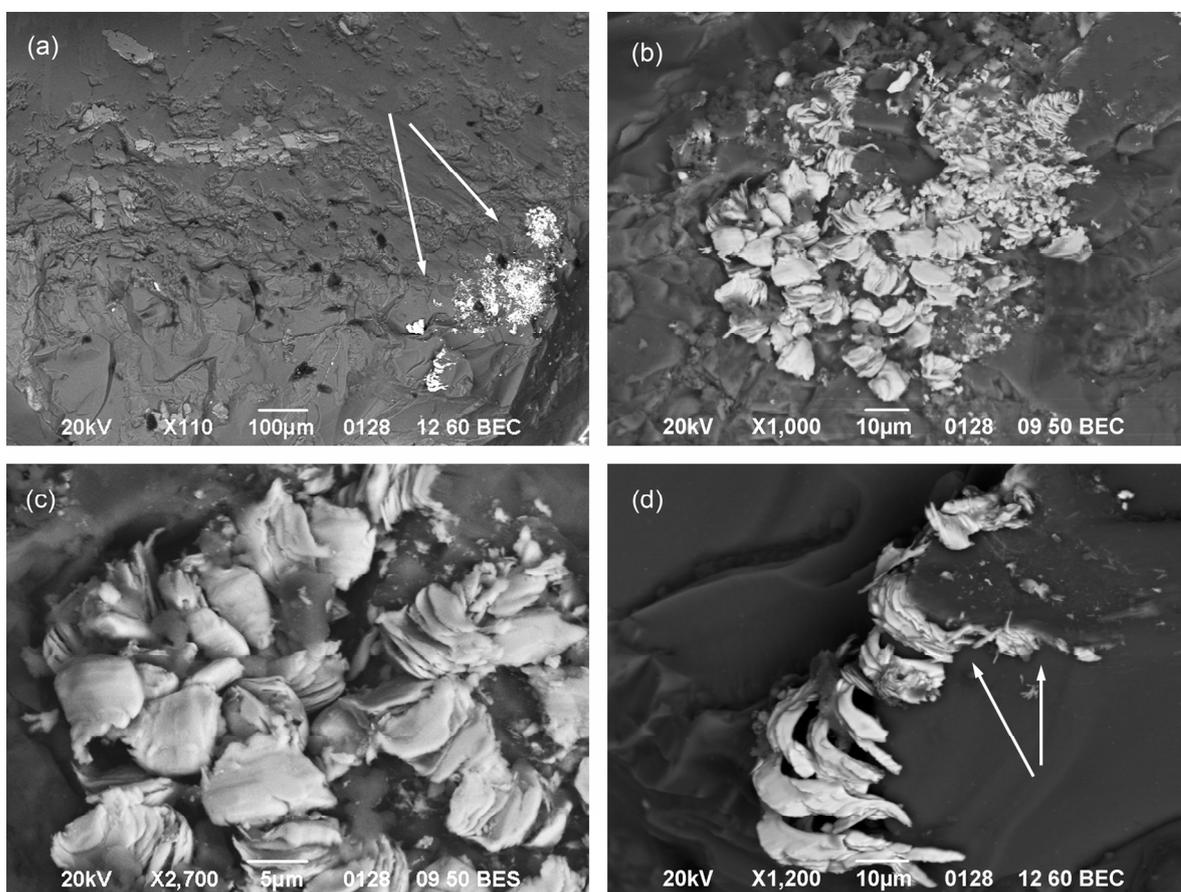


Supplementary Data

**Expanding the speciation of terrestrial molybdenum: discovery of polekhovskiyite,  $\text{MoNiP}_2$ , and insights into the sources of Mo-phosphides in the Dead Sea Transform area**

Sergey N. Britvin, Mikhail N. Murashko, Oleg S. Vereshchagin, Yevgeny Vapnik, Vladimir V.

Shilovskikh, Natalia S. Vlasenko, Vitalii V. Permyakov



**Figure S1.** An example of anthropogenic contamination of geological sample with nickel-phosphorus brazing alloy. BNi-6 alloy of the composition  $(\text{Ni}_{3.89}\text{Fe}_{0.03})_{3.92}\text{P}_{1.08}$  is spread over the face of the drill core. (a) An overview showing the BNi-6 field on the drill core surface (indicated by arrows). (b,c) Detailed views of the texture of BNi-6 boring scrap on silicate matrix. (d) An illustration of the case where BNi-6 particles are impressed into the matrix cracks (marked by arrows), mimicking the “intergrowths” between brazing alloy and host silicate minerals. SEM BSE images.