

Figure S3. Examples of different components of the amorphous phase (images from Petrographic microscope: **a, b, c, d, e, f, g, h, i, j, k**, Transmission Electron Microscopy (TEM): **l**, and Scanning Electron Microscopy (SEM): **m, n, o**).

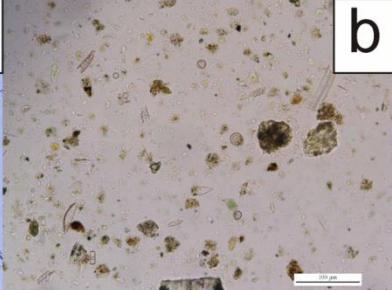
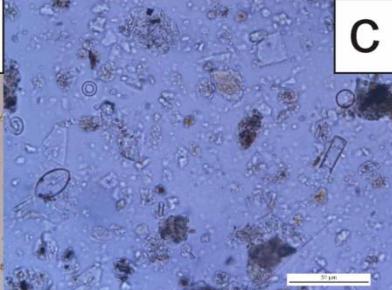
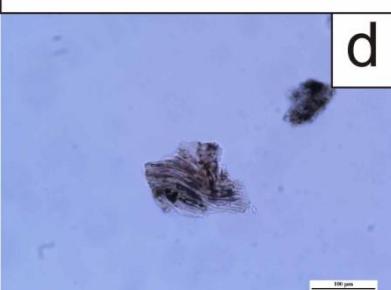
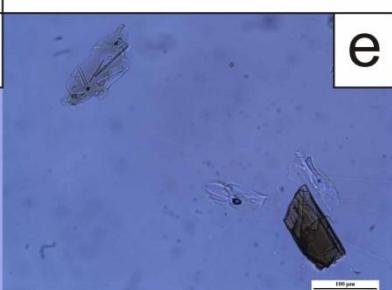
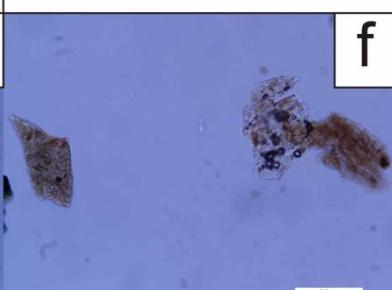
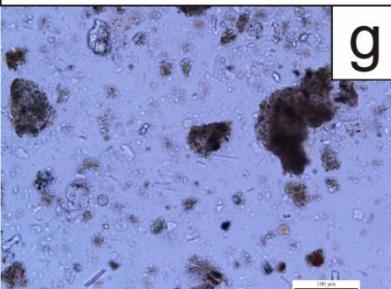
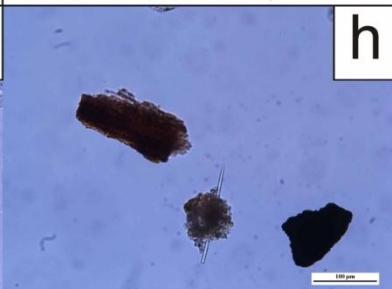
		
Several glass shards showing a variety of shapes and colors (FU 56-57 Retained on #230 mesh sieve)	Bulk sediment where aggregates and several diatom frustules are observed (FU 60-61)	Bulk sediment where aggregates and several diatom frustules are observed (FU 60-61)
		
Fluidal pumice glass shard partially altered to palagonite (FU 3-4 Retained on #230 mesh sieve)	Glass shard with minute crystals known as microlites, clear glass shards and biotite (FU 56-57 Retained on #230 mesh sieve)	Palagonite with microlites, glass shard and fibrous carbonaceous material (FU 40-41 Bulk sediment)
		
Bulk sediment showing several aggregates and diatom frustules (FU 60-61)	Large diatom stuck into an aggregate, biotite and opaque mineral (FU 63-64 Retained on #230 mesh sieve)	Fragments of several diatoms and aggregates (FU 3-4 Bulk sediment)

Figure S3. *Continuation.*

