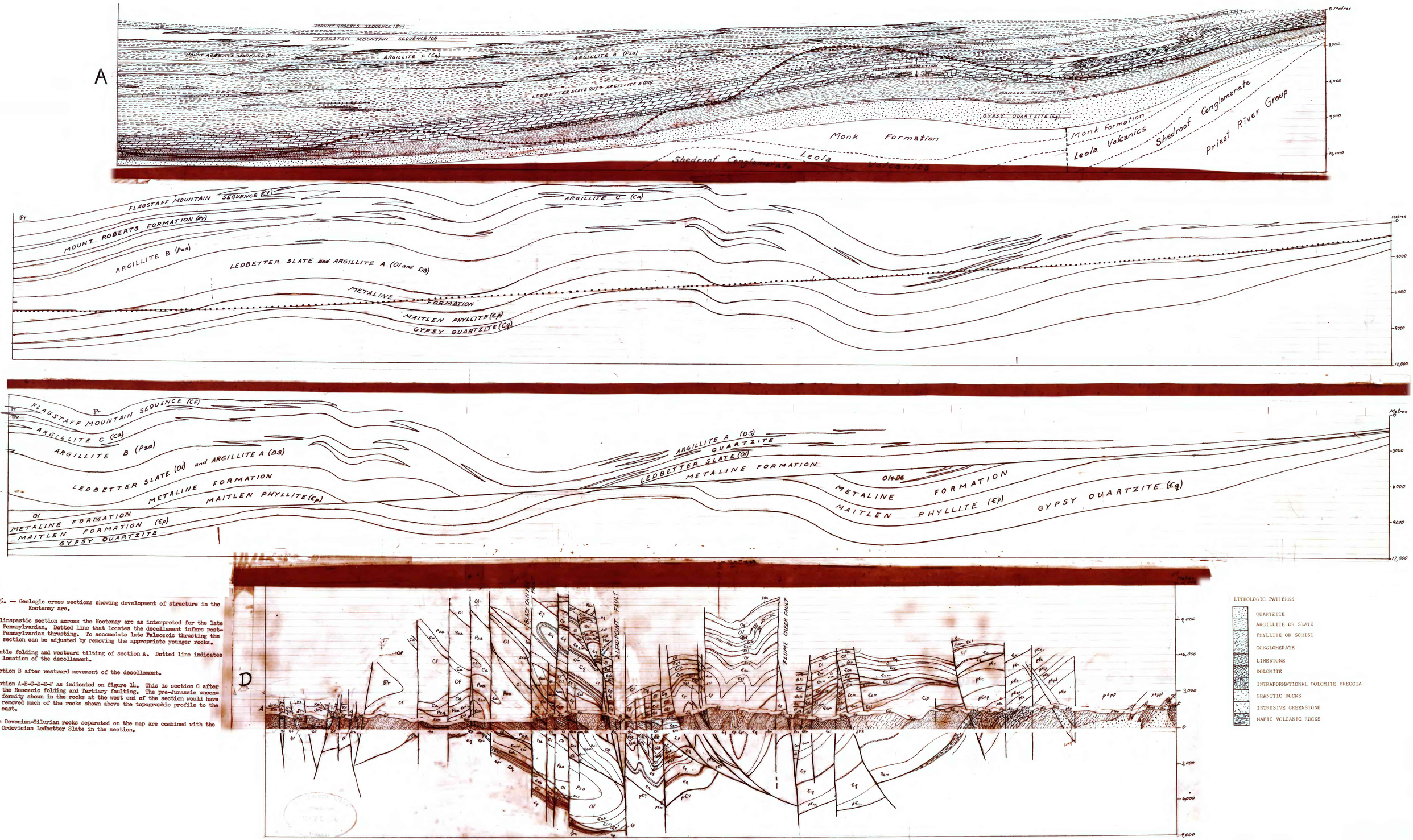

Figure 25. — Geologic cross sections showing development of structure in the Kootenay arc.

A. Palinspastic section across the Kootenay arc as interpreted for the late Pennsylvanian. Dotted line that locates the decollement infers post-Pennsylvanian thrusting. To accomodate late Paleozoic thrusting the section can be adjusted by removing the appropriate younger rocks.

B. Gentle folding and westward tilting of section A. Dotted line indicates location of the decollement.

C. Section B after westward movement of the decollement.

D. Section A-B-C-D-E-F as indicated on figure 14. This is section C after the Mesozoic folding and Tertiary faulting. The pre-Jurassic unconformity shown in the rocks at the west end of the section would have removed much of the rocks shown above the topographic profile to the east.

The Devonian-Silurian rocks separated on the map are combined with the Ordovician Ledbetter Slate in the section.