

Appendix.

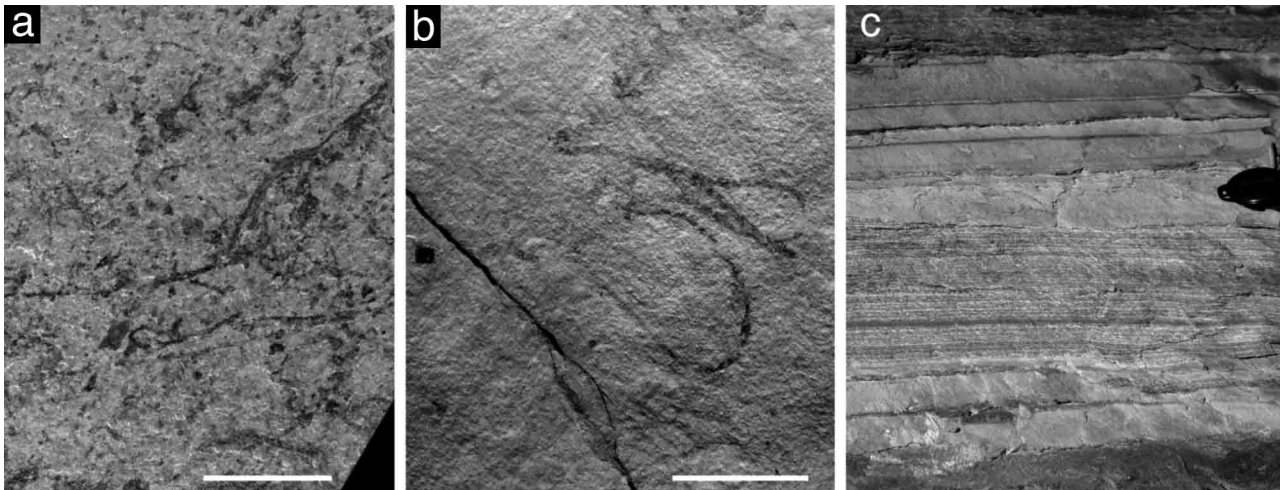


Figure A1. Middle unit of the Pusa Formation. (a-b) Filamentous fossils preserved on bedding plane, south of Piedraescrita. Scale bars are 10 mm. (c) Field photograph showing the fine lamination typical of the middle unit of the Pusa Formation. Near intersection of road N-502 and Frio River, east of La Nava de Ricomalillo. Lens cap (diameter 32 mm) for scale.

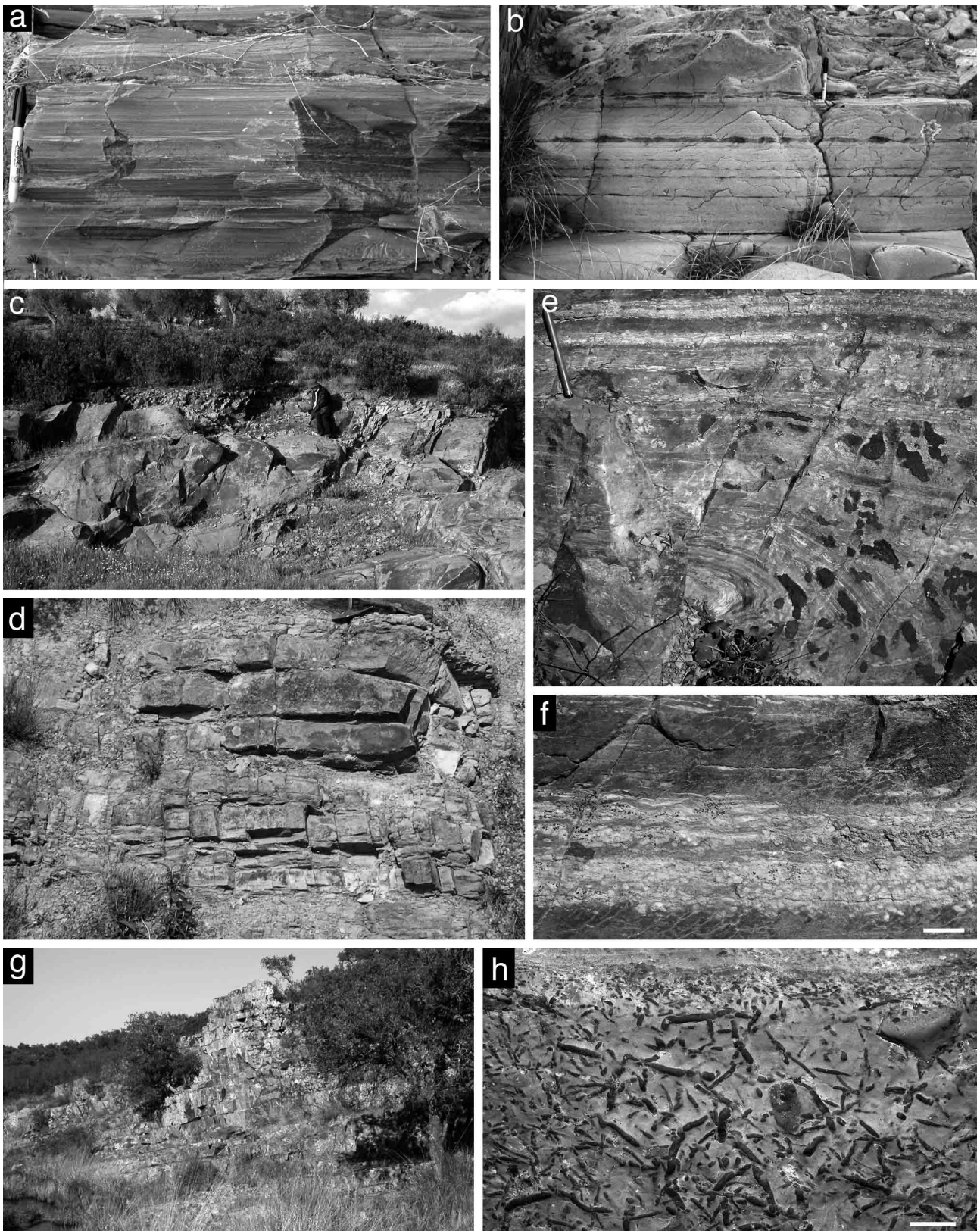


Figure A2. Upper unit of the Pusa Formation. (a) Fine alternations of mudstone and siltstone/fine sandstone. At intersection of Pusa River and road CM-4155, south of Los Navalucillos. Pen (length 13.5 cm) for scale. (b) Horizontal bedding of fine sandstone and mudstone. Same locality as (a). Pen (length 13.5 cm) for scale. (c) Portion of trilobite locality B west of Robledo del Buey with massive-weathering planar-bedded siltstone and fine sandstone. Person for scale. (d) Package of dm-scale sandstone. Road cut SE of Los Alares. Hammer-head (length 17 cm, right of centre at top of photo) for scale. (e-f) Weathered outcrop showing trace fossil-rich horizons, and, in lower portion of image, slumped, and partly overturned, bedding. Road between Los Alares and Robledo del Buey. Pen in (e) is 13.5 cm, scale bar in (f) is 10 mm. (g) Sandstone-dominated interval along Estenilla River, east of Los Alares. (h) Base of bed with sand-filled simple trace fossils in a fine-grained matrix. Along Estenilla River, NE of Los Alares. Scale bar is 10 mm.

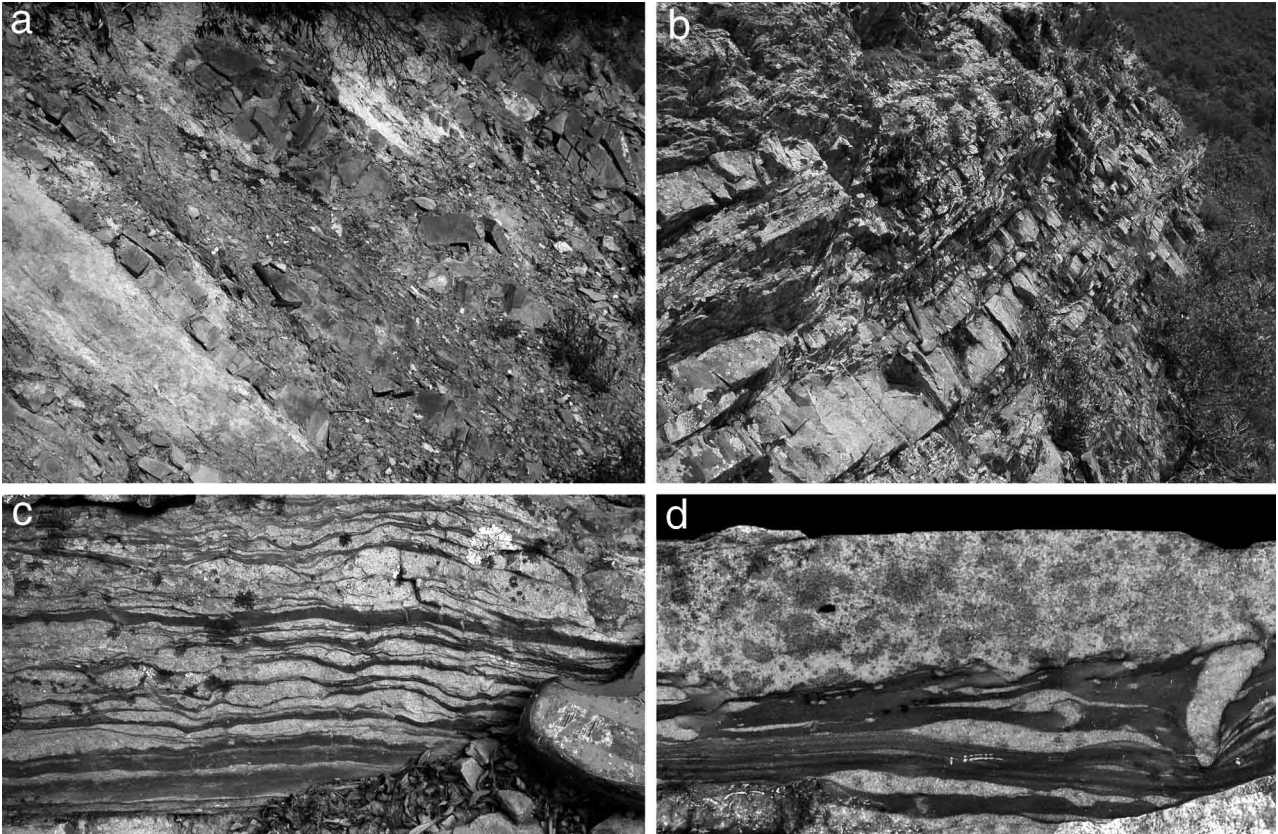


Figure A3. Azorejo Formation. (a) Alternation of sandstones and siltstone/mudstone beds. Road section east of Robledillo. Hammer (length 28 cm ) for scale. (b) Sandstone-dominated interval in outcrop on mountainside NW of Robledo del Buey, about 300 metres up-section from the trilobite-bearing levels in the Pusa Formation. Note lenticular beds. Hammer (length 28 cm) for scale. (c) Irregular sandstone beds. Same locality as (b). Hammer-head for scale. (d) Polished slab from outcrop along Arroyo de Azorejo, with lenticular sandstone beds and sandstone-filled vertical crack (crack is *c.* 1.5 cm long).