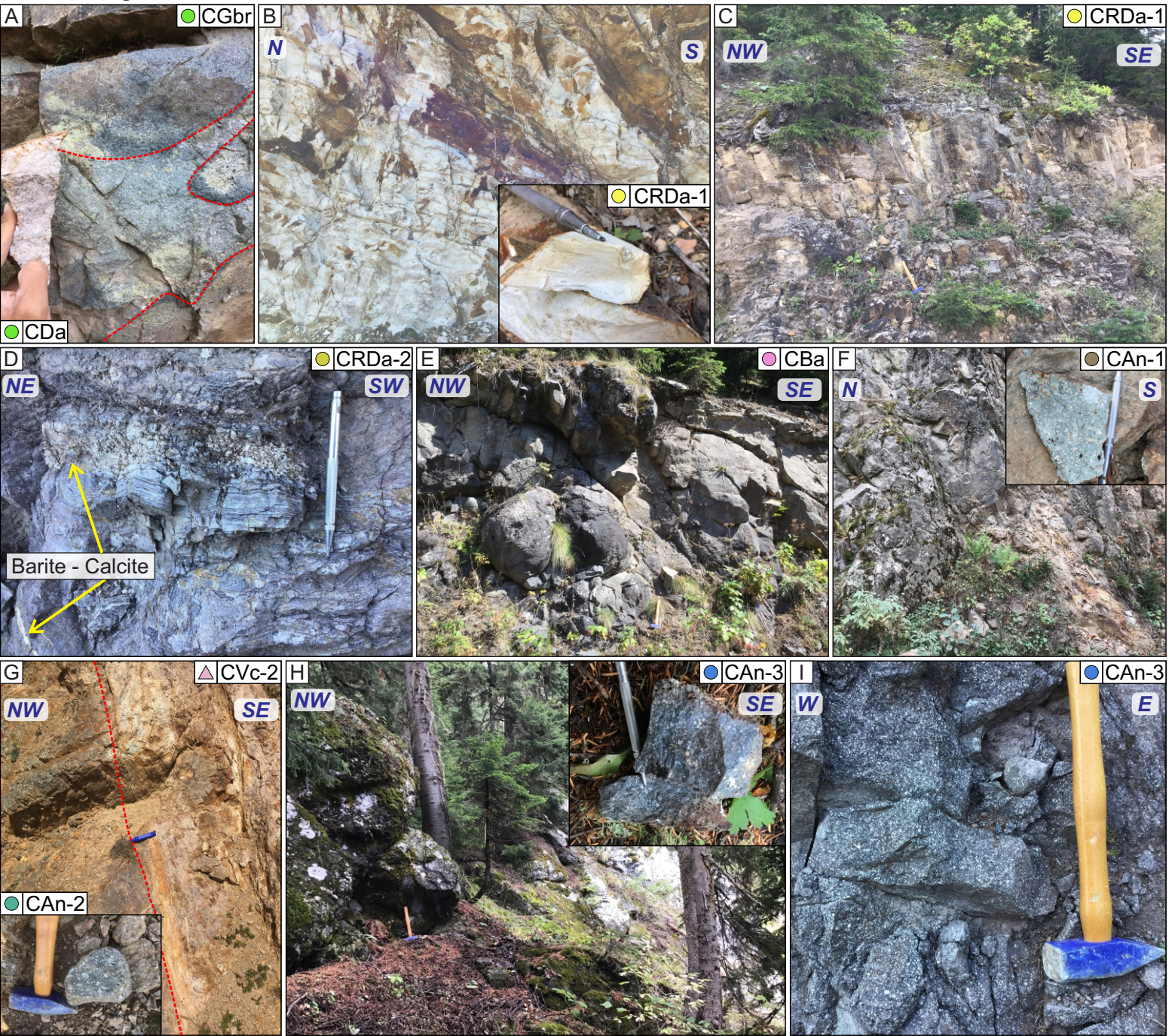
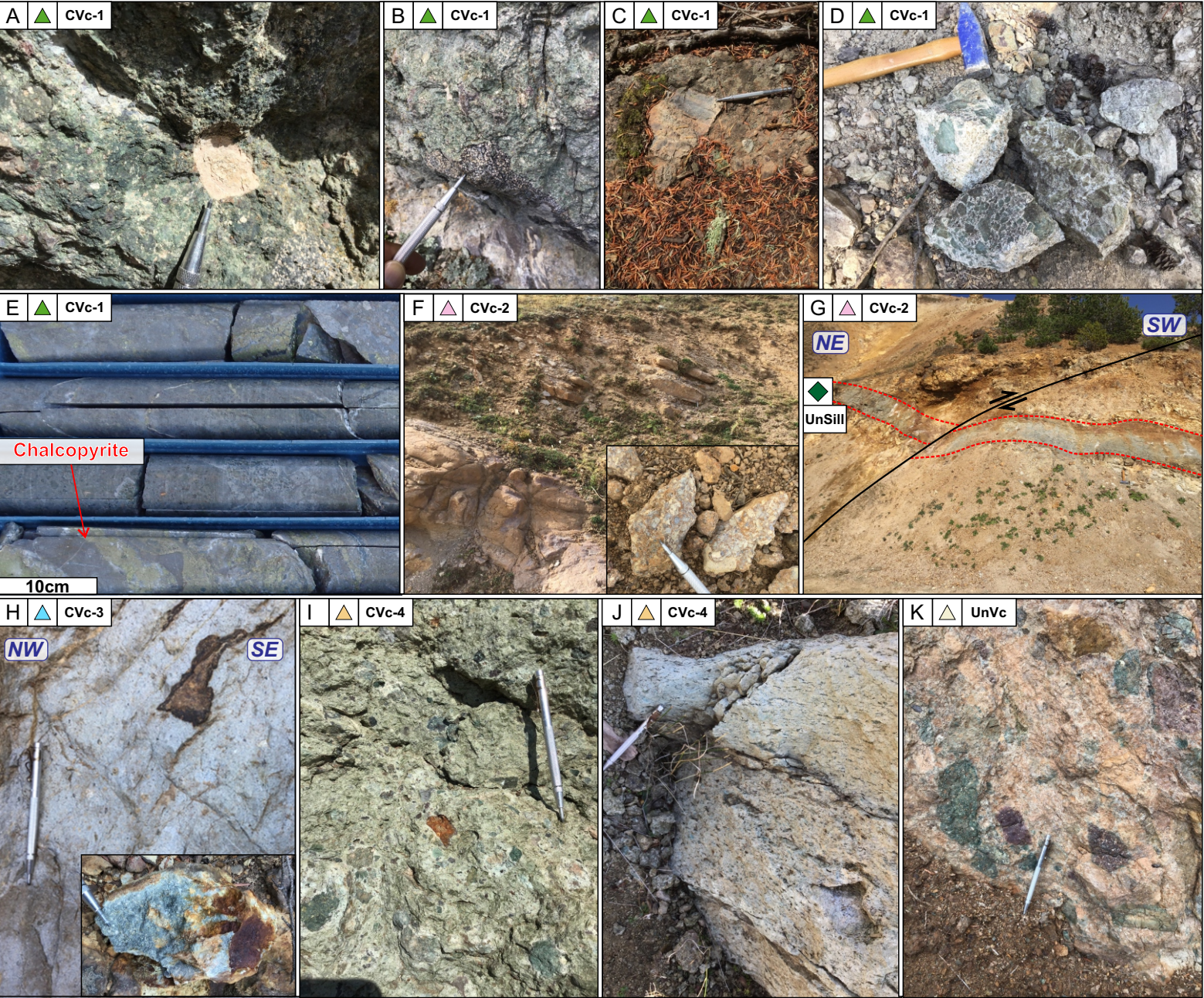


ESM 3 - Fig 1



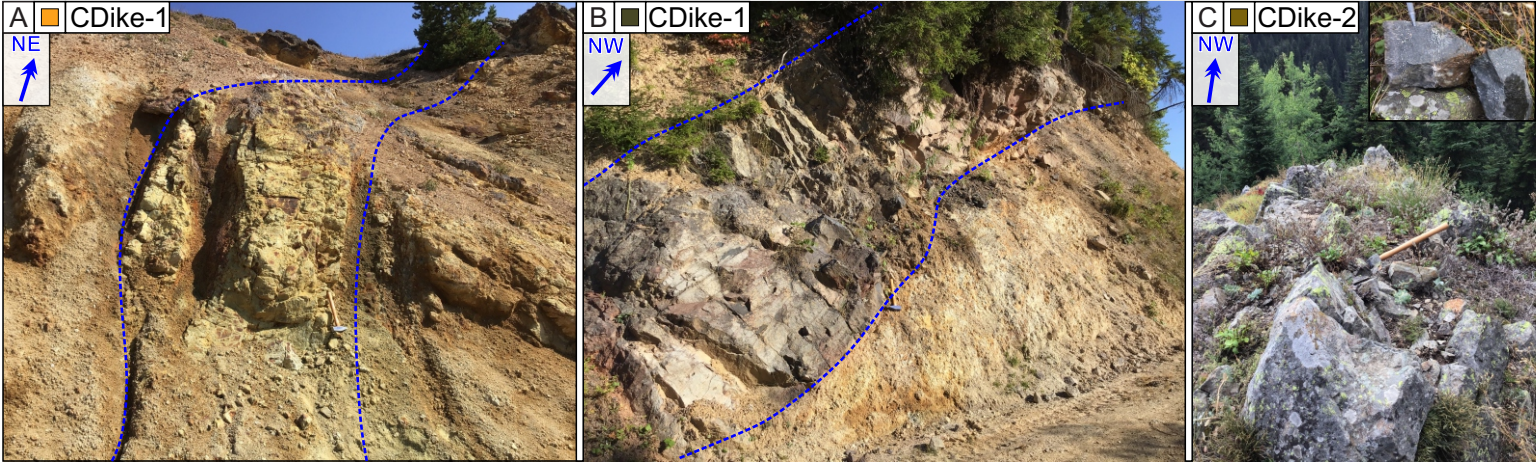
Field characteristics of the magmatic rocks of the Yanıklı Prospect. A) A gabbro (CGbr) cut by the feldspar-phyric dacite (CDa) unit. B) and C) The fine-grained to feldspar-phyric flow-banded and columnar rhyodacite/dacite (CRDa-1) unit. D) The feldspar-phyric flow-banded rhyolite/rhyodacite (CRDa-2) unit hosting barite and calcite veins. E) The fine- to medium-grained pillow basalt (CBa) unit and its pillow structure. F) The medium- to coarse-grained feldspar-phyric basaltic andesite (CAn-1) unit. G) The megacrystic feldspar-phyric andesite (CAn-2) in contact with the polymictic pyroclastic breccia (CVc-2) unit. H) and I) The medium- to coarse-grained feldspar-phyric variolitic basalt/basaltic andesite (CAn-3) unit. For a detailed description of each unit, please refer to the corresponding **ESM 2 - Table 1**.

ESM 3 - Fig 2



Clastic rocks within the Yanıklı prospect: A), B), C) Polymictic volcanic breccia with a feldspar-rich matrix, hyaloclastite, and peperite (CVc-1) unit, containing felsic and mafic rock fragments. D) Hyaloclastite and peperite textures in the polymictic volcanic breccia with a feldspar-rich matrix, hyaloclastite, and peperite (CVc-1) unit. E) Chalcopyrite veins within the lower part of the polymictic volcanic breccia with a feldspar-rich matrix, hyaloclastite, and peperite (CVc-1) unit. F) Well-bedded polymictic pyroclastic breccia unit (CVc-2); G) Polymictic pyroclastic breccia unit (CVc-2) crosscut by a mafic to intermediate sill (UnSill). H) Polymictic phreatomagmatic breccia (CVc-3) unit. I) Polymictic ignimbrite (CVc-4) with mafic and felsic rock clasts. J) Fiamme-bearing texture of the polymictic ignimbrite (CVc-4) unit. K) Polymictic fractured clastic rock (UnVc). For a detailed description of each unit, please refer to the corresponding **ESM 2 - Table 2**.

ESM 3 - Fig 3



Dikes within the Yanıklı prospect. A) NE-oriented feldspar-phyric dacitic dike (CDike-1) crosscutting the polymictic pyroclastic breccia (CVc-2) unit. B) NW-oriented feldspar-phyric dacitic dike (CDike-1) crosscutting the fine-grained to feldspar-phyric flow-banded and columnar rhyodacite/dacite (CRDa-1) unit. C) NW-oriented feldspar-phyric andesitic to basaltic dike (CDike-2). For a detailed description of each unit, please refer to the corresponding **ESM 2 - Table 3** .