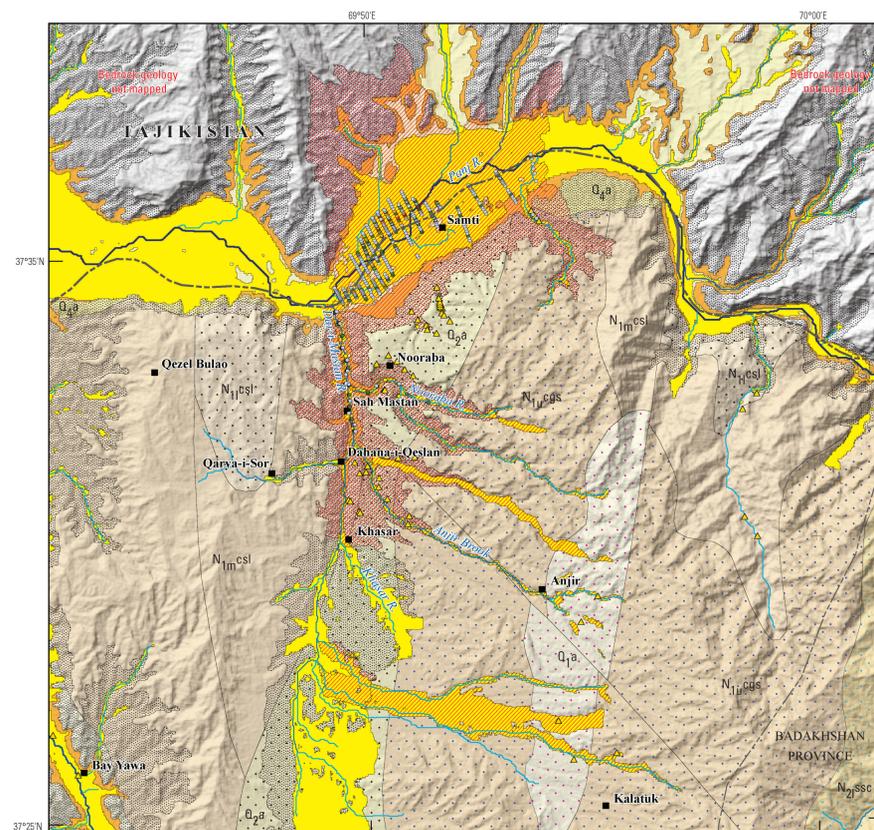


**A. North Takhar study areas.**



**B. Samti-Nooraba-Khasar-Anjir study area.**



D. Photograph showing the alluvium, terrace, and conglomerate and sandstone terrain features of Samti village. Creative Commons image courtesy of nabard19 on Flickr.



E. Photograph of a small tributary of the Dar-i-Mastan River in the Nooraba-Khasar-Anjir area, showing little alluvium in a narrow, steep-sided valley, typical of the region. Creative Commons image courtesy of nabard19 on Flickr.

**EXPLANATION FOR FIGURES 6A-C**

**DESCRIPTION OF MAP UNITS**

**Layered Rocks**

- O<sub>2a</sub> Conglomerate and sandstone (Holocene)
- O<sub>3a</sub> Conglomerate and sandstone (Holocene and late Pleistocene)
- O<sub>3</sub> Conglomerate and sandstone (late Pleistocene)
- O<sub>2a</sub> Conglomerate and sandstone (middle Pleistocene)
- O<sub>2lo</sub> Loess (middle Pleistocene)
- O<sub>1a</sub> Conglomerate and sandstone (early Pleistocene)
- N<sub>2u</sub>cgs Conglomerate and sandstone (late Pliocene)
- N<sub>2s</sub>sc Sandstone and conglomerate (early Pliocene)
- N<sub>1u</sub>cgs Conglomerate and sandstone (late Miocene)
- N<sub>1m</sub>csl Clay and siltstone (middle Miocene)
- N<sub>1e</sub>csl Clay and siltstone (early Miocene)
- P<sub>2</sub>csh Clay and shale (Eocene)
- KP<sub>1</sub>ld Limestone and dolomite (Paleocene and Late Cretaceous)
- K<sub>2</sub>ssl Sandstone and siltstone (Late Cretaceous)
- K<sub>1</sub>ssc Sandstone and conglomerate (Early Cretaceous)
- C<sub>1n</sub>bss Basalt and sandstone (Early Carboniferous (Namurian))
- Ossl Sandstone and siltstone (Ordovician)
- X<sub>1</sub>gn Gneiss (early Paleoproterozoic)

**EXPLANATION OF MAP SYMBOLS**

**Minerals (figs. 6A-C)**

- ▲ Vein gold
- ★ Skam copper, gold-bearing
- Gold occurrence (unclassified)

**Gold sampling from previous investigations**

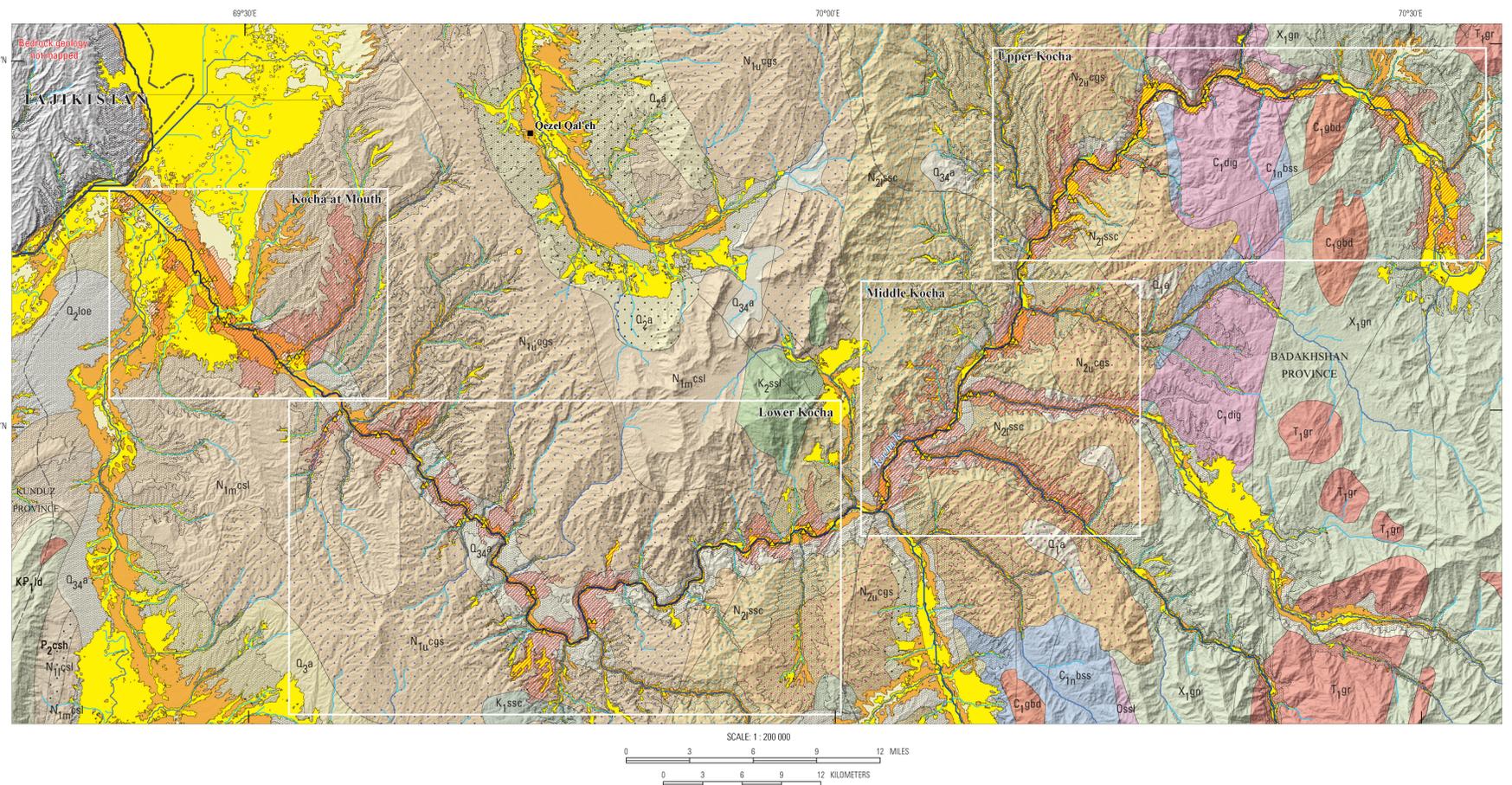
- ▲ Concentration sampling point
- Boreholes: gold content in milligrams per cubic meter (mg/m<sup>3</sup>)
  - 1-100
  - 100-400
  - 400-800
  - 800-2,000
  - 2,000-4,000

**Base Layers (figs. 6B, C)**

- Strahler stream order**
- 3
  - 4
  - 5
  - 6
  - 7
  - 8

**DATA SOURCES**

Shaded relief derived from Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) 30-meter Global Digital Elevation Model (GDEM) Version 2 data.  
Image base layer data derived from Landsat 7 imagery.  
Hydrography and geomorphology derived from ASTER GDEM Version 2 data.  
Layered and plutonic rock descriptions from Doebrich and Wahl (2006), modified from Abdullah and Chmyriov (1977) and Abdullah and others (1977).  
Placer gold concentration points and borehole locations from the Afghan Geological Survey. Vein gold, gold-bearing skam copper, and unclassified gold occurrences from Abdullah and Chmyriov (1977) and Abdullah and others (1977).  
Cultural data and political boundaries from the Afghanistan Information Management Service (AIMS) Web site (<http://www.aims.org.af>).  
Projection: Universal Transverse Mercator (UTM), zone 42 north, World Geodetic System (WGS) 1984 Datum.



**C. Kochari River study area.**

**Figure 6.** Maps and photographs showing the geologic and geomorphic units of the placer gold deposits in the North Takhar Area of Interest, Takhar Province, Afghanistan.