

GEOMORPHOLOGICAL MAP OF THE CENTRAL AND FRONTAL RONGBUK GLACIER AREA (MT. EVEREST, TIBET)

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Scala 1:30.000

Topographic map base derived from SRTM Digital Elevation Model

TOPOGRAPHY

- ▲ Mountain summit
- Advanced camp
- Base camp

BEDROCK

- Strongly jointed metamorphic rock

HYDROGRAPHY (EPHEMERAL)

- (Supra) glacial stream (intermittent)
- Supraglacial lake (intermittent)

ICE LANDFORMS (EPHEMERAL)

- Ice cliff (active)
- Hanging serac edge (active)
- Glacier snout (active)
- Glacier (active)
- Penitentes, pinnacles, sails, seracs (active)
- Ice fall deposit (intermittent)

GLACIAL LANDFORMS

- Erosional landforms**
- Triangular shaped slope (active)
 - Edge of cirque (active)
 - Edge of cirque buried by ice (active)
 - Transfluence saddle (active)
- Constructional landforms and deposits**
- Moraine ridge (active)
 - Supraglacial debris (active)
 - Moraine ridge (inactive)
 - Edge of kame (inactive)
 - Glacial deposit (inactive)

PERIGLACIAL LANDFORMS

Erosional landforms

- Turf banked terrace surface (active)

Constructional landforms and deposits

- Avalanche deposit (active)
- Rock glacier (active)

FLUVIAL, FLUVIAL-GLACIAL AND SLOPE LANDFORMS DUE TO RUNNING WATER

Erosional landforms

- Rill erosion (active)
- Gully (active)

Constructional landforms and deposits

- Alluvial fan (active)
- Alluvial debris/GLOF fan (active)
- Debris flow fan (active)
- Proglacial outwash deposit (active)
- Fluvial glacial deposit (active)
- GLOF deposit (inactive)

SLOPE LANDFORMS DUE TO GRAVITY

Erosional landforms

- Edge of degradation scarp (active)

Constructional landforms and deposits

- Talus cone (active)
- Earth slump deposit on dry wall moraine (active)
- Talus sheet/Screen slope (active)
- Rock fall/Block field deposit (inactive)

