

Glacial Geomorphology of the Altai and western Sayan mountains, Central Asia

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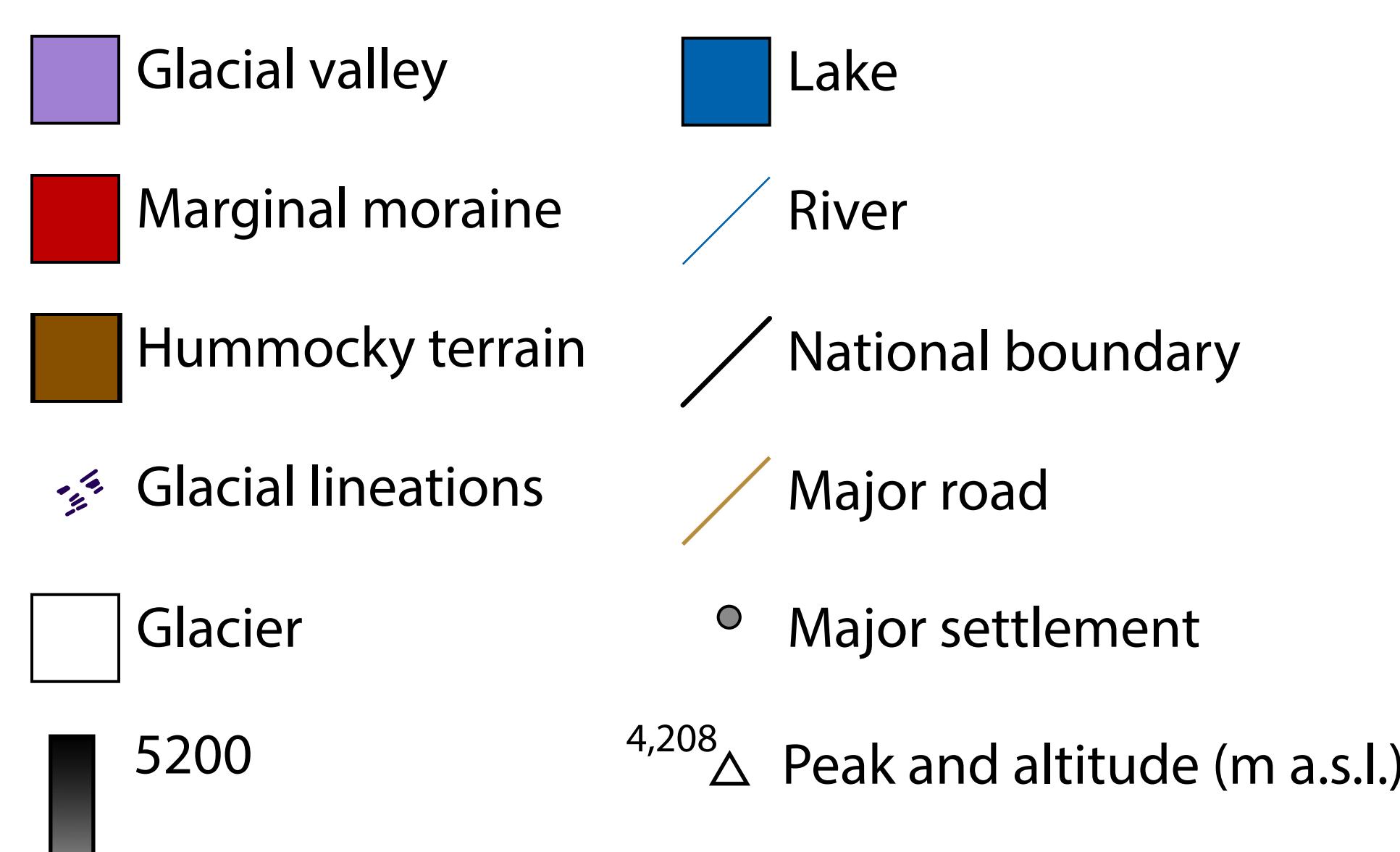
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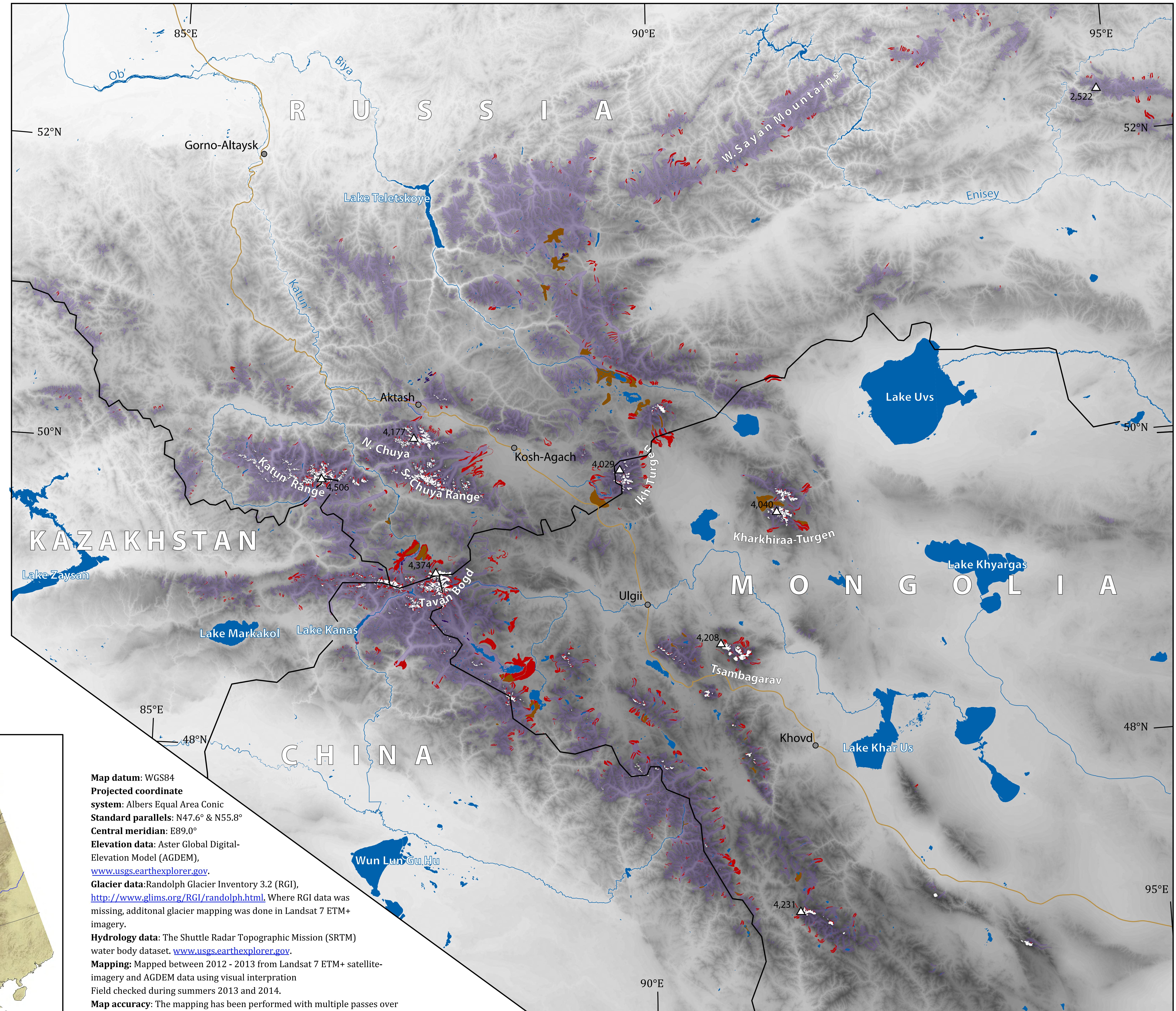
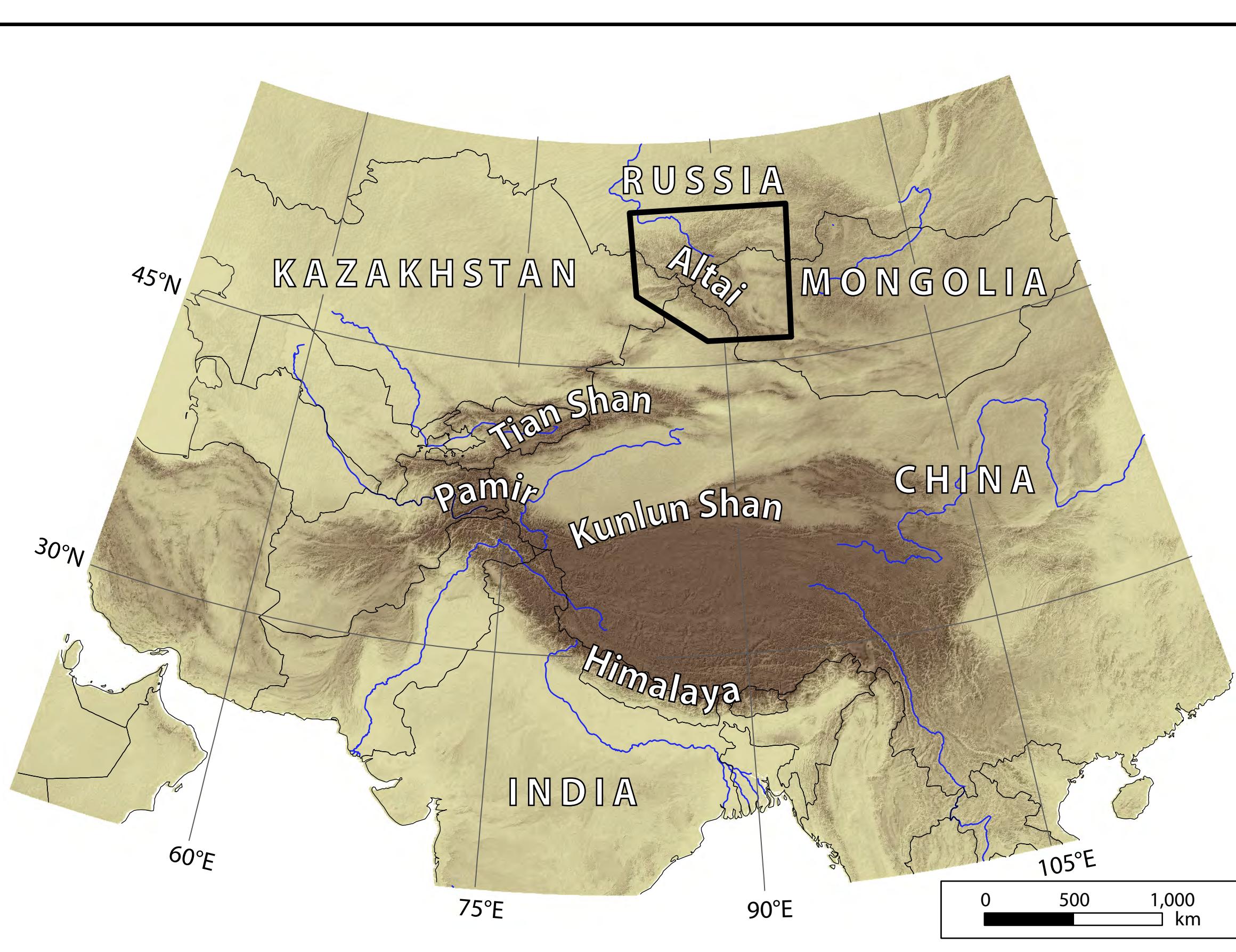
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Legend



Scale 1: 1,000,000

0 50 100 150 km



Map datum: WGS84

Projected coordinate

system: Albers Equal Area Conic

Standard parallels: N47.6° & N55.8°

Central meridian: E89.0°

Elevation data: Aster Global Digital

Elevation Model (AGDEM),

www.usgs.earthexplorer.gov.

Glacier data: Randolph Glacier Inventory 3.2 (RGI),

<http://www.glims.org/RGI/randolph.html>. Where RGI data was missing, additional glacier mapping was done in Landsat 7 ETM+ imagery.

Hydrology data: The Shuttle Radar Topographic Mission (SRTM) water body dataset, www.usgs.earthexplorer.gov.

Mapping: Mapped between 2012 - 2013 from Landsat 7 ETM+ satellite-imagery and AGDEM data using visual interpretation. Field checked during summers 2013 and 2014.

Map accuracy: The mapping has been performed with multiple passes over the study area using different datasets and a range of scales to increase consistency. The resolution of the Landsat 7 ETM+ imagery is about 30 m for the colour bands and 15 m for the panchromatic band (number 8). The resolution of the AGDEM is also 30 m; hence landforms smaller than 30 m have not been mapped.