Einsatz Lawinenunfall Pakistan

2012
Siachen_Gayari, Jammu and Kashmir, Disputed Area
Military Camp
Siachen, Gayari Valley, North Glaciers, 3D oblique
Siachen_Gayari Military Camp Pre-Event
Siachen_Gayari Military Camp Pre-Event
Siachen_Gayari ice/rock avalanche April 6, 2012, Origin?
Siachen_Gayari ice/rock avalanche April 6, 2012
Upper glacier, pre disaster image. Seracs!
Siachen_Gayari ice/rock avalanche April 6, 2012
Upper glacier, post disaster image. Avalanche!
Gayari Military North Glacier Post-Event
Gayari Slide
Formation of Lake
8 Apr12
Gayari Disaster, Debris Cone, Front Wall, empounded Lake, opposite Avalanche 19. 04. 2012
RUN02 assumes a clear water hydrograph with a peak discharge of 550 m$^3$/s at t= 6.66 h. This is based on a dam height of 35 m and GDEM elevation data giving a lake area of approx. 1,225,000 m$^2$. 

Terrain related layers derived from GDEM V2 (METI, NASA) and SRTM-4 (CIAT 2004) 
Cultivated areas mapped from LANDSAT-ETM+ composite image (NASA/USGS) 
Village names and locations of bridges taken from Google Earth 

IAG BOKU 
Please be aware that this map is only a rough overview of potentially threatened areas and not a hazard map. Uncertainties do exist, regarding the accuracy of the elevation model, interpretation of the LANDSAT imagery and modeling.
RUN03 assumes entrainment of dam material and debris leading to a debris flow with a peak discharge of 785 m³/s at t= 6.66 h. This is based on a dam height of 35 m and GDEM elevation data giving a lake area of approx. 1,225,000 m².
RUN08 assumes that the peak discharge of a clear water flood occurs at $t = 3$ h, leading to a peak discharge of $1221 \text{ m}^3/\text{s}$. This is based on a dam height of $35 \text{ m}$ and GDEM elevation data giving a lake area of approx. $1,225,000 \text{ m}^2$.


IAG BOKU

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The surface of the lake on 12 April 2012 was approx. 12ha.

Approx. 1430 meters of road have been blocked/flooded.

Avalanche/Landslide measuring approx. area of 1.11 km².

Approx. 27 structures are under the deposition zone.
The surface of the lake on 04 May 2012 was approx. 24.5ha.

Approx. 1600 meters of road have been blocked/flooded.

1st attempted spillway construction stopped as of early May.

Potential location of 2nd current spillway construction.

Avalanche/Landslide measuring approx. area of 1.11 km².

Shadows in imagery resulting from clouds.

Center Coordinates: 76°49'46.10"E 35°13'7.53"N  c Digital Globe 2012
Siachen_Gayari ice/rock avalanche April 6, 2012, lateral moraine wall capped!
Siachen_Gayari ice/rock avalanche April 6, 2012
Gayari artificial channel