OVERVIEW OF TANGJIASHAN QUAKE LAKE, BEICHUAN, CHINA FROM 3 - 8 JUNE 2008

Water Detection and Damage Assessment with FORMOSAT-2 Satellite Imagery Acquired 3-8 June 2008 & 14 May 2006

This map presents a satellite-based water and damage assessment for the affected towns and villages along the Beichuan and Jiuzhaigou valleys, resulting from the earthquake on 12 May 2008. The assessment was performed using high-resolution FORMOSAT-2 satellite imagery acquired on 3-8 June 2008 and 14 May 2006. This is an initial damage assessment and has not yet been validated in the field.

Assessment Summary:
- Water levels are visibly rising from 3 to 8 June.
- Some water movement through new drainage channels.
- Ten villages are submerged under the lake.
- Nine pedestrian bridges and 5 main bridges are destroyed.
- Approximately 17km of road along the Jialing River is submerged under water or destroyed by landslides.
- A significant threat exists from a lake-borne tsunami, generated by new landslides into Tangjiashan lake.

Legend:
- Earthquake Epicenter
- Main Road
- Track / Trail
- Pedestrian bridge
- Destroyed
- Pedestrian bridge
- Undamaged
- Pedestrian bridge
- Damaged

Earthquake Epicenter (on 12 May 2008)
- Main Road
- Track / Trail
- Pedestrian bridge
- Destroyed
- Pedestrian bridge
- Undamaged
- Pedestrian bridge
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Map Scale for A2: 1:60,000

Contact Information: info@unosat.org
24/7 Hotline: +1 647 507 9498
www.unosat.org