

Table DR1. LIST OF LANDSLIDE-DAMMED LAKES IN THE SUTLEJ VALLEY REGION

| # | Landslide | ¹⁴ C date [yr B.P.] | | Calibrated age*(1σ) [yr B.P.] | | Landslide location | Land-slide volume [10 ⁹ m ³] | Area of dammed lake [10 ⁶ m ²] | Vol. of lake sed. [10 ⁹ m ³] | Catchment area [10 ⁶ m ²] [†] | Basin averaged precipitation rate [mm/a] [†] | | |
|------------------|------------------|--------------------------------|--|-------------------------------|---|--------------------------|---|---|---|---|---|-----|-----|
| | | bottom | top | bottom | top | | | | | | Modern | AMY | |
| A | Kaza (Spiti) | N.D. | 2749±62 | N.D. | 2860±70 | 78°05.5' E 32°10.5' N | 0.5 | 2.9 | 0.4 | 1975 | 250 | 575 | |
| B | Lingti (Lingti) | mid-Holocene | N.D. | N.D. | N.D. | 78°12.4' E 32°08.1' N | 0.3 | 3.4 | 0.5 | 1026 | 175 | 375 | |
| C | Sichling (Spiti) | 7926±38 | 5286±35 5913±40 [§] | 8711±68 | 6158±12 6737±19 [§] | 78°10.5' E 32°06.7' N | 1.4 | 4.7 | 1.6 | 4393/1372 | 250 | 800 | |
| Holocene | D | Akpa (Sutlej) | mid-Holocene | N.D. | N.D. | 78°23.5' E 31°34.8' N | 0.5 | 4.5 | 0.7 | 29,064 | 175 | 175 | |
| | E | Rekong Peo (Sutlej) | mid-Holocene | N.D. | N.D. | 78°14.8' E 31°30.9' N | 1.0 | 5.4 | 0.9 | 29,418 | 175 | 175 | |
| | F | Kuppa (Baspa) | 6730±61 | 4554±34 4485±35 | 7594±27 | 5297±17 5223±59 | 78°14.3' E 31°26.0' N | 0.6 | 5.6 | 1.2 | 757/115 | 100 | 850 |
| | G | Rakchham (Baspa) | mid-Holocene | N.D. | N.D. | N.D. | 78°16.5' E 31°24.9' N | 0.5 | 2.6 | 0.4 | 601/72 | 100 | 775 |
| | H | Khorgala (Baspa) | mid-Holocene | N.D. | N.D. | N.D. | 78°18.9' E 31°24.3' N | 0.4 | 1.5 | 0.1 | 657 | 100 | 775 |
| | I | Chango (Spiti) | 25,120±245 24,960±300 25,430±550 | N.D. | 28,570±920 28,590±920 28,920±1160 | N.D. | 78°35.6' E 32°04.1' N | 1.0 | 31.5 | 5.5 | 7846 | 175 | 750 |
| | J | Khab (Spiti) | late Pleistocene | N.D. | N.D. | N.D. | 78°37.8' E 31°49.4' N | 0.8 | 3.5 | 0.3 | 8257 | 175 | 750 |
| | K | Tirang (Tirang) | late Pleistocene | N.D. | N.D. | N.D. | 78°35.5' E 31°42.5' N | 0.4 | 2.5 | 0.2 | 328 | 125 | 350 |
| Late Pleistocene | L | Rupa II (Rupa) | late Pleistocene | N.D. | N.D. | 78°28.1' E 31°45.8' N | 0.5 | 3.5 | 0.2 | 480 | 175 | 400 | |
| | M | Shaso (Rupa) | 24,040±285 | N.D. | 27,130±540 | N.D. | 78°30.5' E 31°43.3' N | 0.6 | 2.2 | 0.3 | 555 | 175 | 425 |

Table captions

Table DRI: List of landslide-dammed lakes in the Sutlej Valley region (NW Himalaya). Column 1 indicates landslide location on Figure 2. Footnotes are as follows: * calibration of ^{14}C dates after (Stuiver et al., 1998; Voelker et al., 1998), B.P = 1950; † catchment/basin area upstream of landslide-dam, abnormal monsoon year (AMY, see Bookhagen et al. (2005) for details); § sample taken approx. 15 m below top. N.D. identifies ages not determined.

REFERENCES

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