**Table S1: Stopover and roosting sites used by the black-necked cranes during migration.**

R. = River, L. = Lake and C. = County.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Location | Longitude/latitude (°) | Cumulative stopover (crane/days) | Habitat | Period | Individual(n) | Location type |
| Basom L. | 94.00/30.12 | 32 | Lakeside swamp | Spring, autumn | 5 | Stopover, roosting |
| Xiongqu R. | 94.83/30.25 | 9 | Valley swamp | Autumn | 2 | Stopover, roosting |
| Daqu R. | 95.73/31.03  | 1 | Valley swamp | Autumn | 1 | Roosting |
| Bhutto L. | 95.68/31.60 | 2 | Lakeside swamp | Spring | 2 | Roosting |
| Nangqian C.Angqu R.Zhaqu R.Yushu C.Ziqu R.Yalong R.Mamu R.Maduo C.Duoqu R.Donggeicuona L.Daheba R.Chahanwusu R.Mangla R.Gengga L.Tsaidam R.Shazhuyu R.Dulan C. | 95.65/32.0795.45/32.4096.27/32.4396.78/32.9096.08/32.9397.75/33.3098.28/33.7398.70/34.2097.12/34.4598.67/35.2299.63/35.4598.98/35.57100.42/35.78100.15/36.1897.30/36.3299.37/36.5597.95/36.68 | 11811111212111112921 | Meadow swampValley swampValley swampMeadow swampValley swampValley swampValley swampMeadow swampValley swampLakeside swampValley swampValley swampValley swampLakeside swampValley swampValley swampMeadow swamp | AutumnAutumnSpring, autumnAutumnSpringSpring, autumnAutumnSpringSpringAutumnAutumnAutumnSpringSpringSpring, autumnSpring, autumnSpring | 11311312111111221 | RoostingRoostingRoostingRoostingRoostingStopover, roostingRoostingRoostingRoostingRoostingRoostingRoostingRoostingRoostingStopover, roostingStopover, roostingRoosting |