**Table S1: Human disturbance and habitat condition at major stopover sites for Relict Gull.**

By checking water level change since 1980S (Wang & Dou, 1998\*), we roughly ranked lake shrinkage as (a) no shrinkage or slight shrinkage (+), water surface area decreased by less than 10%; (b) medium (++), water surface area decreased by 10%~50%; (c) serious (+++), water surface area decreased by more than 50%; or (d) dried up (++++).

\* Wang S, Dou H. 1998. *Lakes of China*. Beijing: Science Press

|  |  |  |
| --- | --- | --- |
| **Stopover sites** | **Human Disturbance** | **Lake Shrinkage** |
| **Tourism** | **Grazing** | **Fishing** | **Pollution** | **Dredging** |
| Chahai Nur |  |  | √ |  |  | +++ |
| Xiyan Nur |  |  |  |  |  | +++ |
| Anguli Nur | √ |  |  |  |  | ++++ |
| Cetian Reservoir | √ | √ |  |  |  | + |
| Huanggai Nur&Sangai Nur | √ | √ |  | √ |  | ++++ |
| Wulanhushaohaizi & Baiyin Nur | √ | √ |  |  |  | ++ |
| Hanhaizi |  |  |  | √ |  | +++ |
| Huangqihai | √ | √ |  |  |  | ++ |
| Daihai | √ | √ | √ |  |  | ++ |
| Yanghe Reservoir |  |  | √ |  | √ | + |