**Table S2 Markov chain matrix of LULCs transition probabilities for the period 2005–2010.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| LULC | Cropland | Forestland | Grassland | Wetland | Urban | Bare land | Waterbodies |
| Cropland | 0.87  | 0.01  | 0.08  | 0.00  | 0.01  | 0.03  | 0.00  |
| Forestland | 0.08  | 0.75  | 0.16  | 0.00  | 0.00  | 0.00  | 0.00  |
| Grassland | 0.05  | 0.01  | 0.88  | 0.00  | 0.00  | 0.06  | 0.00  |
| Wetland | 0.02  | 0.00  | 0.04  | 0.86  | 0.00  | 0.06  | 0.02  |
| Urban | 0.21  | 0.00  | 0.01  | 0.01  | 0.77  | 0.01  | 0.00  |
| Bare land | 0.01  | 0.00  | 0.05  | 0.00  | 0.00  | 0.93  | 0.01  |
| Waterbodies | 0.02  | 0.00  | 0.04  | 0.00  | 0.00  | 0.06  | 0.88  |