**Wetlands Ecosystem Health Card**

…………………………… (Wetland name), Bihar

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Features** | **Indicator** | **Desired value** | **Actual Value** | **Rank** |
|  | A | B | C | D | E | Score |
| Area | % wetland converted to non-wetland use since 2000 | 0% |  | 0% | 1-5% | 6-10% | 11-20% | More than 20% |  |
| Hydrology and Catchments | Ratio of number of natural inlets choked and diverted to total number of natural inlets | <0.2 |  | 0-0.2 | 0.3-0.4 | 0.4-0.6 | 0.7-0.8 | More than 0.8 |  |
| Ratio of number of natural outlets choked and diverted to total number of natural outlets | <0.2 |  | 0-0.2 | 0.3-0.4 | 0.4-0.6 | 0.7-0.8 | More than 0.8 |  |
| Biological oxygen demand | Between 3-6 mg/l |  | 80-100% sample meet the criteria | 60-80% sample meet the criteria | 40-60% sample meet the criteria | 20-40% sample meet the criteria | Less than 20% sample meet the criteria |  |
| Biodiversity | %Wetland area covered by invasive macrophytes | <10% |  | <10% | 11-20% | 21-30% | 31-40% | More than 40% |  |
| Annual waterbird count as a proportion of average count of last 5 years | 0.7 |  | More than 0.7 | 0.6-0.7 | 0.5-0.6 | 0.4-0.5 | Less than 0.4 |  |
| Governance | Clearly demarcated wetlands map | Wetlands map prepared and approved by State Wetland Authority |  | Wetlands map prepared and approved by State Wetland Authority | Wetlands map prepared & under consideration by State Wetland Authority | Wetlands map prepared and not placed in State Wetland Authority | Wetlands map under preparation | Wetland map not prepared |  |
| Wetlands management plan | Management plan prepared & approved by State Wetland Authority |  | Management plan prepared & approved by State Wetland Authority | Management plan prepared & submitted to State Wetland Authority | Management plan prepared & not submitted to State Wetland Authority | Management plan under preparation | No management plan |  |
| Wetlands Notification | Wetlands notified under extant regulation |  | Final notification under extant regulation | Draft notification | Regulation under process | Regulation planned & process initiated | No Regulation |  |

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|  | Frequency | Assigned Weight |  |
| Number of indicators in Rank A |  | 1 |  |
| Number of indicators in Rank B |  | 0.8 |  |
| Number of indicators in Rank C |  | 0.6 |  |
| Number of indicators in Rank D |  | 0.4 |  |
| Number of indicators in Rank E |  | 0.2 |  |
|  |  | Total |  |
| Wetland Score |  |  |  |