

WETLANDS ECOSYSTEM HEALTH CARD – BETUL TALAB, DISTRICT BETUL

COORDINATES - 21°54'43"N 77°54'00"E

S. No	Features	Indicator	Desired Value	Actual Value	Category					Score
					A	B	C	D	E	
1.	Area	% wetland converted to non-wetland use since year 2000	0%	0%	0%	1-5%	6-10%	11-20%	More than 20%	A
2.	Hydrology and Catchments	Ratio of number of natural inlets choked and diverted to total number of natural inlets	<0.2	0.0	0-0.2	0.3-0.4	0.4-0.6	0.7-0.8	More than 0.8	A
		Ratio of number of natural outlets choked and diverted to total number of natural outlets	<0.2	0.0	0-0.2	0.3-0.4	0.4-0.6	0.7-0.8	More than 0.8	A
3.	Water Quality (2015-16)	pH value	6.5 – 8.5	8.20	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	A
		Dissolved Oxygen	6mg/l or more	8.00	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	A
		Biological Oxygen Demand	3 mg/l or less	18.00	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	E
		Chemical Oxygen Demand (*for urban wetland)	<50mg/l	42.50	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	A
4.	Biodiversity	% wetland area covered by invasive Macrophytes	<10%	11-20%	<10%	11-20%	21-30%	31-40%	More than 40%	B

		Annual Bird Species Richness	-	-	-	-	-	-	-	-
5.	Governance	Clearly demarcated wetlands map	Wetlands map prepared and approved by SWA/ GoMP	Wetlands map not prepared	Wetlands map prepared and approved by GoMP	Wetlands map prepared and under consideration of SWA	Wetlands map prepared but not placed in SWA	Wetlands map under Preparation	Wetlands map not prepared	E
		Wetlands management plan	Management Plan prepared by nodal/Implementing agency and approved by GoI	No Management Plan	Management Plan prepared and approved by GoI	Management Plan prepared and submitted to GoI	Management Plan prepared, not submitted to GoI	Management Plan under preparation	No Management Plan	E
		Wetlands Notification	Wetlands notified under extant regulation	No regulation	Notification under Wetland Rule (2017)	Draft notification	Regulation under process	Regulation planned, process initiated	No regulation	E

	Frequency	Assigned	Weight
Number of indicators in Rank A	6	1.0	6.0
Number of indicators in Rank B	1	0.8	0.8
Number of indicators in Rank C	0	0.6	0.0
Number of indicators in Rank D	0	0.4	0.0
Number of indicators in Rank E	4	0.2	0.8
	11	TOTAL	7.6

Wetland Score	0.69	D
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Remark
A+ If indicator score between 1 to 0.95
A- If indicator score between 0.91 to 0.95
B+ If indicator score between 0.86 to 0.90
B- If indicator score between 0.81 to 0.85
C+ If indicator score between 0.76 to 0.80
C- If indicator score between 0.71 to 0.75
D If indicator score between 0.60 to 0.70
E If indicator score between Below 0.60

WETLANDS ECOSYSTEM HEALTH CARD – FOOTA TALAB, BETUL TOWN, DISTRICT BETUL (MP)

COORDINATES - 21°54'19"N 77°53'56"E

S. No	Features	Indicator	Desired Value	Actual Value	Category					Score
					A	B	C	D	E	
1.	Area	% wetland converted to non-wetland use since year 2000	0%	0%	0%	1-5%	6-10%	11-20%	More than 20%	A
2.	Hydrology and Catchments	Ratio of number of natural inlets choked and diverted to total number of natural inlets	<0.2	0.0	0-0.2	0.3-0.4	0.4-0.6	0.7-0.8	More than 0.8	A
		Ratio of number of natural outlets choked and diverted to total number of natural outlets	<0.2	0.0	0-0.2	0.3-0.4	0.4-0.6	0.7-0.8	More than 0.8	A
3.	Water Quality (2015-16)	pH value	6.5 – 8.5	8.20	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	A
		Dissolved Oxygen	6mg/l or more	5.80	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	E
		Biological Oxygen Demand	3 mg/l or less	12.00	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	E
		Chemical Oxygen Demand (*for urban wetland)	<50mg/l	20.00	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	A
4.	Biodiversity	% wetland area covered by invasive Macrophytes	<10%	11-20%	<10%	11-20%	21-30%	31-40%	More than 40%	B

		Annual Bird Species Richness	-	-	-	-	-	-	-	-
5.	Governance	Clearly demarcated wetlands map	Wetlands map prepared and approved by SWA/ GoMP	Wetlands map not prepared	Wetlands map prepared and approved by GoMP	Wetlands map prepared and under consideration of SWA	Wetlands map prepared but not placed in SWA	Wetlands map under Preparation	Wetlands map not prepared	E
		Wetlands management plan	Management Plan prepared by nodal/Implementing agency and approved by GoI	No Management Plan	Management Plan prepared and approved by GoI	Management Plan prepared and submitted to GoI	Management Plan prepared, not submitted to GoI	Management Plan under preparation	No Management Plan	E
		Wetlands Notification	Wetlands notified under extant regulation	No regulation	Notification under Wetland Rule (2017)	Draft notification	Regulation under process	Regulation planned, process initiated	No regulation	E

	Frequency	Assigned	Weight
Number of indicators in Rank A	5	1.0	5.0
Number of indicators in Rank B	1	0.8	0.8
Number of indicators in Rank C	0	0.6	1.0
Number of indicators in Rank D	0	0.4	0.0
Number of indicators in Rank E	5	0.2	1.0
	11	TOTAL	6.8

Wetland Score	0.62	D
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Remark
A+ If indicator score between 1 to 0.95
A- If indicator score between 0.91 to 0.95
B+ If indicator score between 0.86 to 0.90
B- If indicator score between 0.81 to 0.85
C+ If indicator score between 0.76 to 0.80
C- If indicator score between 0.71 to 0.75
D If indicator score between 0.60 to 0.70
E If indicator score between Below 0.60

WETLANDS ECOSYSTEM HEALTH CARD – BADA TALAB, DISTRICT HARDA

COORDINATES - 22°12'06"N 77°05'55"E

S. No	Features	Indicator	Desired Value	Actual Value	Category					Score
					A	B	C	D	E	
1.	Area	% wetland converted to non-wetland use since year 2000	0%	0%	0%	1-5%	6-10%	11-20%	More than 20%	A
2.	Hydrology and Catchments	Ratio of number of natural inlets choked and diverted to total number of natural inlets	<0.2	0.0	0-0.2	0.3-0.4	0.4-0.6	0.7-0.8	More than 0.8	A
		Ratio of number of natural outlets choked and diverted to total number of natural outlets	<0.2	0.0	0-0.2	0.3-0.4	0.4-0.6	0.7-0.8	More than 0.8	A
3.	Water Quality (2019-20)	pH value	6.5 – 8.5	8.01	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	A
		Dissolved Oxygen	6mg/l or more	8.80	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	A
		Biological Oxygen Demand	3 mg/l or less	0.80	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	A
		Chemical Oxygen Demand (*for urban wetland)	<50mg/l	9.68	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	A
4.	Biodiversity	% wetland area covered by invasive Macrophytes	<10%	11-20%	<10%	11-20%	21-30%	31-40%	More than 40%	C

		Annual Bird Species Richness	-	-	-	-	-	-	-	-
5.	Governance	Clearly demarcated wetlands map	Wetlands map prepared and approved by SWA/ GoMP	Wetlands map prepared and under consideration of SWA	Wetlands map prepared and approved by GoMP	Wetlands map prepared and under consideration of SWA	Wetlands map prepared but not placed in SWA	Wetlands map under Preparation	Wetlands map not prepared	E
		Wetlands management plan	Management Plan prepared by nodal/Implementing agency and approved by GoI	No Management Plan	Management Plan prepared and approved by GoI	Management Plan prepared and submitted to GoI	Management Plan prepared, not submitted to GoI	Management Plan under preparation	No Management Plan	E
		Wetlands Notification	Wetlands notified under extant regulation	No regulation	Notification under Wetland Rule (2017)	Draft notification	Regulation under process	Regulation planned, process initiated	No regulation	E

	Frequency	Assigned	Weight
Number of indicators in Rank A	7	1.0	7.0
Number of indicators in Rank B	0	0.8	0.0
Number of indicators in Rank C	1	0.6	0.6
Number of indicators in Rank D	0	0.4	0.0
Number of indicators in Rank E	3	0.2	0.6
	11	TOTAL	8.2

Wetland Score	0.75	C-
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Remark
A+ If indicator score between 1 to 0.95
A- If indicator score between 0.91 to 0.95
B+ If indicator score between 0.86 to 0.90
B- If indicator score between 0.81 to 0.85
C+ If indicator score between 0.76 to 0.80
C- If indicator score between 0.71 to 0.75
D If indicator score between 0.60 to 0.70
E If indicator score between Below 0.60