

7.1.19 Ganjam

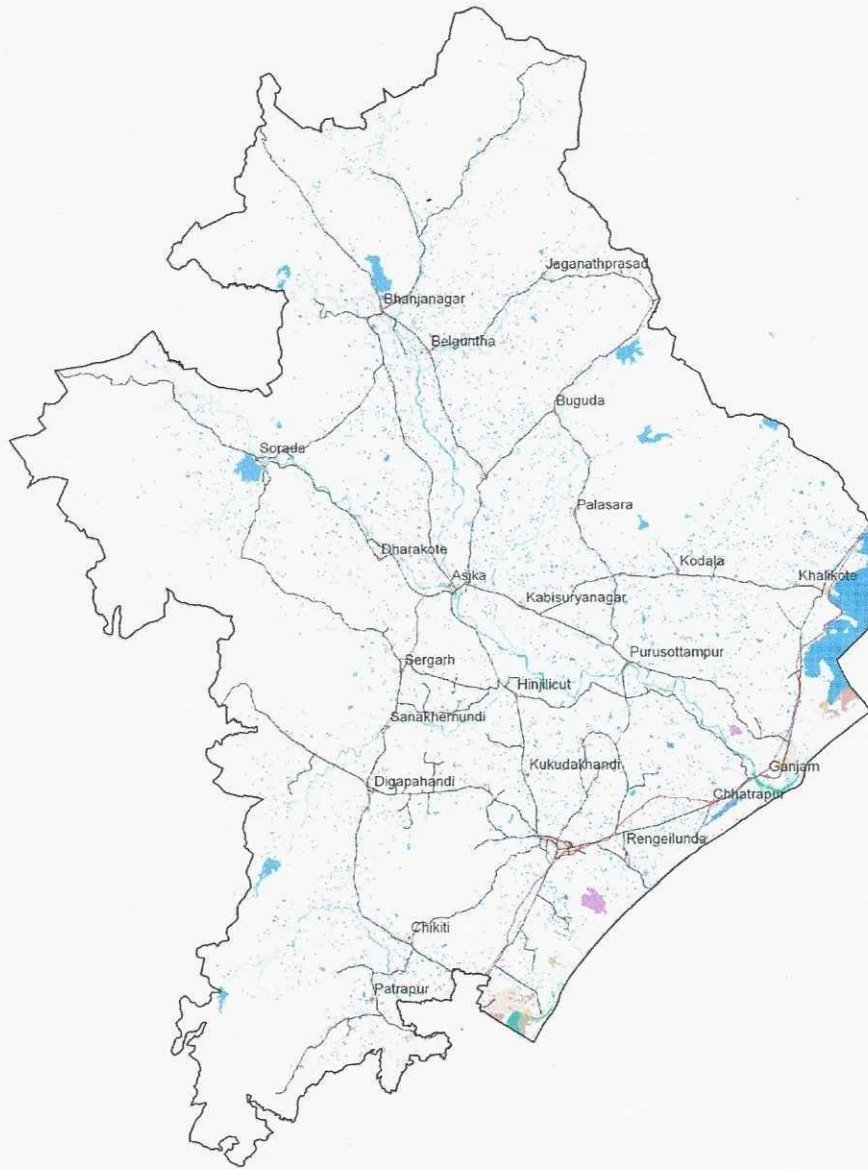
The total geographical area of Ganjam district is 8033 sq km. The district comprises of 4783 wetlands including 4088 that are smaller than 2.25 ha. Together they account for 29920ha of area (Table 25). The major wetland types are Lagoon (6998 ha) followed by River/Stream (6131 ha) and Reservoir/Barrage (4689 ha). The small wetlands contribute a significant area (about 14 %) towards the aerial extent of wetlands in the district. Open water component of wetlands has shown about 15 per cent reduction as seasonal change from post-monsoon (18883 ha) to pre-monsoon (16099 ha). Aquatic vegetation has shown an increase of about one and half times from post-monsoon (4894 ha) to 7167 ha in pre-monsoon. Open water has exhibited larger area under moderate turbidity followed by low without the presence of high turbidity in both the seasons.

Table 25: Area estimates of wetlands in Ganjam district

Sr. No.	Wettcode	Wetland Category	Number of wetlands	Total wetland area	% of wetland area	Open Water	
						Post-monsoon area	Pre-monsoon area
	1100	Inland Wetlands - Natural					
1	1101	Lakes/Ponds	1	301	1.01	200	204
2	1102	Ox-bow lakes/ Cut-off meanders	-	-	-	-	-
3	1103	High altitude wetlands	-	-	-	-	-
4	1104	Riverine wetlands	1	12	0.04	-	-
5	1105	Waterlogged	39	1051	3.51	745	738
6	1106	River/Stream	17	6131	20.49	6131	5578
	1200	Inland Wetlands -Man-made					
7	1201	Reservoirs/Barrages	73	4689	15.67	3503	3007
8	1202	Tanks/Ponds	515	2397	8.01	1107	1066
9	1203	Waterlogged	5	23	0.08	7	7
10	1204	Salt pans	-	-	-	-	-
		Total - Inland	651	14604	48.81	11693	10600
	2100	Coastal Wetlands - Natural					
11	2101	Lagoons	1	6998	23.39	5114	3423
12	2102	Creeks	-	-	-	-	-
13	2103	Sand/Beach	8	807	2.70	-	-
14	2104	Intertidal mud flats	22	1347	4.50	-	-
15	2105	Salt Marsh	-	-	-	-	-
16	2106	Mangroves	-	-	-	-	-
17	2107	Coral Reefs	-	-	-	-	-
	2200	Coastal Wetlands - Man-made					
18	2201	Salt pans	2	1726	5.77	1726	1726
19	2202	Aquaculture ponds	11	350	1.17	350	350
		Total - Coastal	44	11228	37.53	7190	5499
		Sub-Total	695	25832	86.34	18883	16099
		Wetlands (<2.25 ha)	4088	4088	13.66	-	-
		Total	4783	29920	100.00	18883	16099

Area under Aquatic Vegetation	4894	7167
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Area under turbidity levels		
Low	8485	6737
Moderate	10398	9362
High	-	-



Symbol	Typecode	Level I	Level II	Level III
		Inland Wetlands		
			Natural	
	1101			Lakes/Ponds
	1102			Ox-bow lakes/ Cut-off meanders
	1103			High altitude wetlands
	1104			Riverine wetlands
	1105			Waterlogged
	1106			River/Stream
			Man-made	
	1201			Reservoirs/Barrages
	1202			Tanks/Ponds
	1203			Waterlogged
	1204			Salt pans
		Coastal Wetlands		
			Natural	
	2101			Lagoons
	2102			Creeks
	2103			Sand/Beach
	2104			Intertidal mud flats
	2105			Salt marsh
	2106			Mangroves
	2107			Coral reefs
			Man-made	
	2201			Salt pans
	2202			Aquaculture ponds

Legend

- Wetlands (<2.25 ha)
- Settlements
- Canal
- Railway
- Drainage (line)
- Roads
- Town/Settlements
- District Boundary
- State Boundary
- International Boundary

Location Map



Data Source :
IRS P6 LISS III data (Pre-monsoon and Post-monsoon Season 2006-07)

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District : Ganjam

