

Table S2 Land cover change from 2000 to 2020 in Old Padampur, New Padampur, Byas, Panchase Protected forest area, a part of ACA.

Land cover type	Area (km ²)			Change in area					
	2000	2010	2020	2000-2010		2010-2020		2000-2020	
				Area (km ²)	%	Area (km ²)	%	Area (km ²)	%
Old Padampur area									
Water bodies	3.48	3.31	2.99	-0.17	-4.88	-0.32	-9.66	-0.49	-14.08
Barren area	3.08	1.26	0.78	-1.82	-59.09	-0.48	-38.09	-2.3	-74.67
Grassland	7.94	17.31	15.44	9.37	118.01	-1.87	-10.8	7.5	94.45
Riverine forest	7.21	11.14	13.79	3.93	54.5	2.65	23.78	6.58	91.26
Sal dominated forest	1.08	1.13	1.16	0.05	4.62	0.03	2.65	0.08	7.4
Mixed forest	0.08	0.12	0.13	0.04	50	0.01	8.33	0.05	62.5
Crop land	12.19	0.86	0.81	-11.33	-92.94	-0.05	-5.81	-11.38	-93.35
Developed area	0.31	0.24	0.27	-0.07	-22.58	0.03	12.5	-0.04	-12.9
New Padampur area									
Water bodies	0.34	0.45	0.53	0.11	32.35	0.08	17.77	0.19	55.88
Barren area	0.68	0.2	0.3	-0.48	-70.58	0.1	50	-0.38	-55.88
Grassland	0.91	0.63	0.32	-0.28	-30.76	-0.31	-49.2	-0.59	-64.83
Riverine forest	11.86	4.53	4.6	-7.33	-61.8	0.07	1.54	-7.26	-61.21
Sal dominated forest	8.61	4.33	3.95	-4.28	-49.7	-0.38	-8.77	-4.66	-54.12
Mixed forest	1.1	0.41	1.15	-0.69	-62.72	0.74	180.48	0.05	4.54
Crop land	7.78	18.5	14.64	10.72	137.78	-3.86	-20.86	6.86	88.17
Developed area	0.39	2.42	5.98	2.03	520.51	3.56	147.107	5.59	1433.33
Byas area									
Water bodies	1.11	1.37	1.35	0.26	23.42	-0.02	-1.45	0.24	21.62
Barren area	0.73	0.82	0.75	0.09	12.32	-0.07	-8.53	0.02	2.73
Grassland	0.21	0.24	0.23	0.03	14.28	-0.01	-4.16	0.02	9.52
Riverine forest	0.04	0.05	0.05	0.01	25	0	0	0.01	25
Sal dominated forest	2.41	2.51	2.61	0.1	4.14	0.1	3.98	0.2	8.29
Mixed forest	3.17	3.59	5.14	0.42	13.24	1.55	43.17	1.97	62.14
Crop land	9.96	8.79	5.89	-1.17	-11.74	-2.9	-32.99	-4.07	-40.86
Developed area	1.86	2.12	3.47	0.26	13.97	1.35	63.67	1.61	86.55
Panchase and associated area									
Water bodies	2.57	2.49	2.5	-0.08	-3.11	0.01	0.401	-0.07	-2.72
Barren area	4.72	3.15	1.69	-1.57	-33.26	-1.46	-46.34	-3.03	-64.19
Grassland	5.02	3.23	2.85	-1.79	-35.65	-0.38	-11.76	-2.17	-43.22
Riverine forest	0.48	0.43	0.44	-0.05	-10.41	0.01	2.32	-0.04	-8.33

Sal dominated forest	12.75	13.63	15.72	0.88	6.9	2.09	15.33	2.97	23.29
Mixed forest	109.41	134.93	183.92	25.52	23.3	48.99	36.3	74.51	68.1
Crop land	139.15	117.21	66.89	-21.94	-15.76	-50.32	-42.93	-72.26	-51.92
Developed area	5.22	4.25	5.31	-0.97	-18.58	1.06	24.94	0.09	1.72
A lower part of ACA									
Water bodies	0.29	0.28	0.27	-0.01	-3.44	-0.01	-3.57	-0.02	-6.89
Barren area	5.23	4.39	3.97	-0.84	-16.06	-0.42	-9.56	-1.26	-24.09
Grassland	18.19	15.27	14.57	-2.92	-16.05	-0.7	-4.58	-3.62	-19.9
Mixed forest	86.96	95.88	99.95	8.92	10.25	4.07	4.24	12.99	14.93
Crop land	21.28	15.84	12.56	-5.44	-25.56	-3.28	-20.7	-8.72	-40.97
Developed area	0.54	0.83	1.17	0.29	53.7	0.34	40.96	0.63	116.66