

Year	Qinhuang dao	Guangzhou	Shenzhen	Jiaxing	Zhuhai	Tangshan	Tianjin	Ningbo	Shanghai
1990	21.43	43.38	39.04	37.37	140.02	195.73	98.50	276.31	325.54
1991	25.19	33.44	43.02	17.95	134.62	186.62	125.68	210.71	229.29
1992	20.23	31.92	31.85	24.92	103.56	152.16	132.33	238.15	278.59
1993	20.50	31.64	23.26	30.79	105.51	226.61	138.73	264.03	260.98
1994	13.09	31.62	22.40	27.40	107.29	171.17	187.55	250.40	203.32
1995	17.91	20.66	33.62	22.90	124.91	150.98	93.01	292.02	362.77
1996	19.47	47.06	50.52	28.64	143.93	173.46	105.73	219.30	283.46
1997	9.76	52.23	51.98	22.91	158.00	116.18	101.72	231.73	306.19
1998	16.20	53.21	51.21	24.37	167.23	102.04	97.51	290.57	282.81
1999	23.26	54.77	53.07	27.12	173.62	170.02	163.08	253.37	331.41
2000	25.25	51.46	53.91	45.48	170.94	166.14	145.13	312.79	432.72
2001	22.68	51.63	59.29	82.13	176.06	138.82	162.79	486.73	427.76
2002	18.09	55.65	64.27	63.17	186.23	165.79	165.81	315.83	418.94
2003	14.20	52.44	66.02	61.65	176.75	82.12	113.73	285.50	465.87
2004	17.65	55.79	70.57	71.13	180.13	104.27	115.34	249.02	457.20
2005	18.74	51.42	69.54	74.76	189.37	120.56	150.65	287.59	479.66
2006	13.05	55.83	75.47	74.79	185.77	110.34	167.65	273.21	438.15
2007	20.64	65.57	85.84	84.31	193.02	160.74	182.40	279.85	439.07
2008	17.66	62.52	88.29	88.96	195.75	172.19	204.10	326.36	512.91
2009	17.04	59.30	87.41	93.79	215.90	225.73	282.35	442.09	522.76
2010	17.36	45.76	74.26	93.82	169.73	223.59	225.91	350.11	439.19
2011	21.39	56.40	87.43	91.86	228.09	286.24	247.11	377.31	501.40
2012	18.16	46.77	70.79	87.19	171.68	361.31	408.03	443.02	589.87
2013	22.39	63.88	94.48	107.43	247.72	367.92	384.19	644.37	631.33
2014	21.68	62.15	97.08	98.86	245.30	384.30	439.23	513.23	600.42
2015	21.22	67.14	99.00	94.85	280.22	393.34	470.89	591.91	686.95
2016	22.10	65.33	105.24	98.91	282.27	368.91	405.06	573.32	699.69
2017	24.97	66.20	100.11	99.64	279.69	409.87	469.85	645.46	689.80
2018	28.00	68.16	101.57	106.35	268.73	424.57	473.20	634.30	717.00

Supplementary table 1 Annual figures of coastal land reclaimed (km²) and rates of change for the nine cities (1990-2018); Color gradations indicate annual rate of change for individual cities. Fluctuations can be explained where reclamation of 'land' is followed by construction of water bodies, such as artificial lakes or reservoirs, in some cases these are again replaced by vivid land use changes in the construction plan.(Supplementary table 1) [7]