

Supplementary Material 1

Table S1 The discharged parameter of rural domestic life

Pollutant	Unit	Discharged parameter(Flush the toilet with water)	Discharged parameter (Waterless toilet flushing)
Domestic wastewater discharged	L/cap. per day	83	65
COD	g/cap. per day	39	65
NH ₃ -N		8.3	4.98
TN		7.14	11.9
TP		0.612	1.02

Table S2 The livestock and poultry discharged parameter

Animal type			Pollutant	Unit	Discharged parameter of farm feeding	Discharged parameter of individual feeding	Clear Method
C O W	Milk cow	Breeding stage	COD	g/head·day	89.87	64.04	Clear feces when it's dry
			TN		40.43	28.81	
			TP		0.60	0.43	
		Milking stage	COD		484.98	345.58	
			TN		62.61	44.63	
			TP		4.83	3.44	
	Beef cattle	Feeder cattle	COD		141.15	143.69	
			TN		26.21	32.91	
			TP		2.02	1.61	
P I G	Fattening stage		COD		47.09	92.94	
			TN		5.56	9.03	
			TP		0.43	1.18	
P O U L T R Y	Layer		COD	0.17	0.20		
			TN	0.01	0.02		
			TP	0.01	0.08		
	Broiler		COD	5.71	1.68		
			TN	0.08	0.06		

		TP		0.01	0.04	
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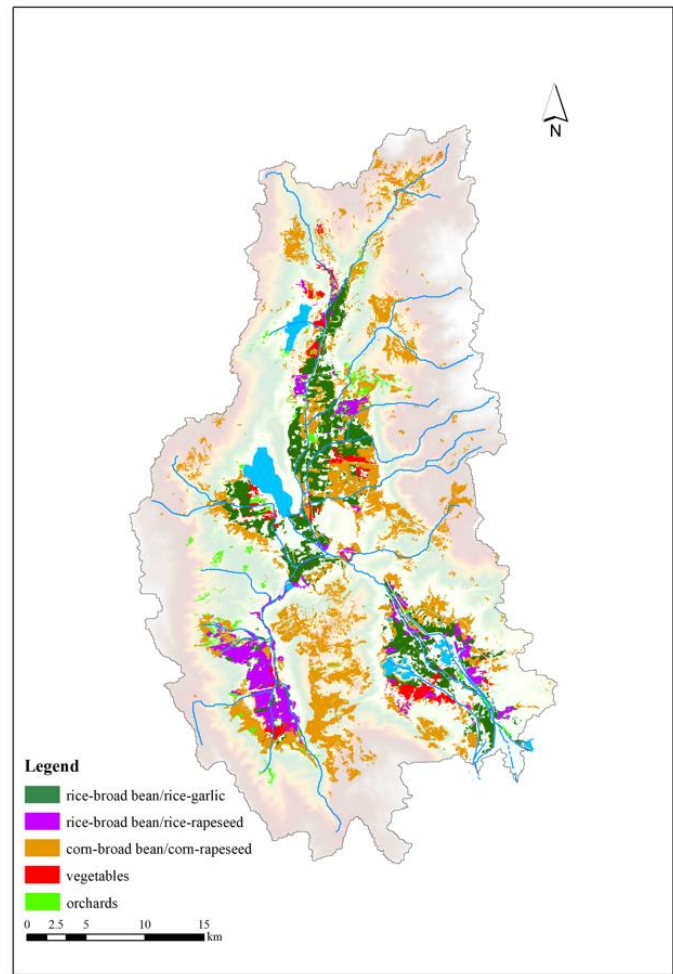


Figure S1 The major planting structure in the North of Erhai Lake Basin