Supplementary data

Table S1 Diet matrix of the control ecosystem, the proportion of each prey group in the predator's diet is indicated by the displayed values

Number	Prey\predator	1	2	3	4	5	6	7
1	The largemouth bass							
2	Macrobenthos	0.001						
3	Microbenthos		0.090					
4	Macrozooplankton	0.001						
5	Microzooplankton				0.075			
6	Bacterioplankton				0.090	0.050		
7	Benthic bacteria		0.050	0.650				
8	Micro-phytoplankton				0.106	0.212		
9	Nano-phytoplankton				0.095	0.214		
10	Pico-phytoplankton				0.085	0.254		
11	Iced fish	0.850	0.100	0.100	0.499			
12	Detritus in water					0.130	0.950	0.050
13	Detritus in sediment	0.148	0.760	0.250	0.050	0.140	0.050	0.950

Table S2 Diet matrix of the treatment ecosystem, the proportion of each prey group in the predator's diet is indicated by the displayed values

Number	Prey\predator	1	2	3	4	5	6	7
1	The largemouth bass							
2	Macrobenthos	0.001						
3	Microbenthos		0.050					
4	Macrozooplankton	0.001						
5	Microzooplankton				0.075			
6	Bacterioplankton				0.100	0.065		
7	Benthic bacteria		0.050	0.550				
8	Micro-phytoplankton				0.100	0.210		
9	Nano-phytoplankton				0.100	0.210		
10	Pico-phytoplankton				0.100	0.195		
11	Periphyton	0.001		0.010	0.010	0.010		
12	Iced fish	0.960	0.125	0.130	0.410			
13	Detritus in water		0.010	0.005	0.005	0.150	0.950	0.050
14	Detritus in sediment	0.037	0.765	0.305	0.100	0.160	0.050	0.950

Table S3 Harvest information of cultured animals in these two ecosystems

	Control ecosystem	Treatment ecosystem
Feed conversion rate (FCR)	4.067±0.058	3.867±0.058[*]
Body weight (kg)	0.626±0.044	0.642±0.027
Survival rate (%)	79.352±3.476	91.718±5.721[*]
Yield (kg·hm^{-2})	39666.667±1527.525	47050.000±1003.743[*]

Data were presented as means ± SD. "*"means significant difference compared with control group ($P <$ 0.05)