

Appendix 4: Relationships between CFR characteristics and biomass and species richness, by year

	(ln) Biomass				Species Richness			
	2012	2013	2014	2015	2012	2013	2014	2015
1=Community Pond Without Flooding*	0.245 (0.409)	0.126 (0.424)	0.638* (0.355)	0.541 (0.415)	2.641 (4.103)	1.546 (2.372)	0.650 (2.400)	0.874 (2.288)
1= Community Pond with Flooding*	0.0822 (0.598)	0.464 (0.614)	0.898* (0.499)	0.396 (0.600)	3.106 (6.260)	2.631 (3.540)	2.841 (3.273)	2.964 (3.293)
1= Segment of Large Water Body*	0.565 (0.472)	0.649 (0.489)	0.297 (0.392)	0.167 (0.469)	6.668 (4.799)	3.493 (2.758)	2.226 (2.564)	2.826 (2.554)
1= Kampong Thom Province^	0.143 (0.377)	0.220 (0.382)	0.475 (0.309)	0.252 (0.361)	2.695 (3.814)	2.818 (2.114)	3.116 (2.083)	2.800 (2.044)
1= Pursat Province^	0.940** (0.359)	0.419 (0.367)	0.870*** (0.296)	0.234 (0.342)	8.262** (3.486)	5.487** (1.995)	8.878*** (1.951)	7.712*** (1.922)
1= Siem Riep Province^	0.918** (0.377)	0.734* (0.384)	0.830** (0.306)	0.361 (0.355)	4.557 (3.745)	2.146 (2.142)	0.596 (2.081)	0.733 (1.981)
1= Rainfed lowland rice AEZ~	0.879** (0.368)	0.125 (0.380)	0.381 (0.303)	0.189 (0.350)	6.581* (3.578)	1.202 (2.094)	1.645 (2.001)	1.394 (1.971)
1= Upland Irrigated AEZ~	0.277 (0.479)	0.624 (0.493)	0.388 (0.396)	0.509 (0.462)	4.162 (5.186)	3.901 (2.868)	1.328 (2.640)	2.686 (2.638)
1= Upland Crop / Rainfed Rice AEZ~	0.357 (0.430)	0.324 (0.443)	0.484 (0.354)	0.193 (0.419)	0.136 (4.465)	0.627 (2.525)	1.779 (2.305)	1.775 (2.340)
(ln) Number of Households in CFR Catchment Area	0.0319 (0.156)	0.0542 (0.160)	0.175 (0.128)	0.173 (0.149)	0.315 (1.563)	0.261 (0.918)	1.430 (0.860)	1.184 (0.839)
(ln) CFR Surface Area in Dry Season (Ha)	0.0107 (0.243)	0.330 (0.246)	0.280 (0.210)	0.554** (0.255)	3.307 (2.500)	1.540 (1.478)	0.496 (1.573)	0.595 (1.603)

Area of Gill Net
Submerged During
Biomonitoring
Sampling (m²)

					0.118 (0.148)	0.126 (0.0919)	0.114 (0.0987)	0.147 (0.0973)
Constant	3.886*** (1.128)	4.165*** (1.168)	4.702*** (0.945)	4.761*** (1.085)	16.06 (11.12)	16.94** (6.531)	20.72*** (6.147)	16.82*** (5.920)
Observations	40	40	40	40	40	40	40	40
R squared	0.565	0.377	0.638	0.516	0.371	0.414	0.651	0.636

Notes: *Reference category is "Irrigation Reservoir"; ^Reference category is Battambang Province; ~Reference category is "lowland deepwater rice" Agro Eco Zone. Reference year is 2012.

Standard errors in parentheses Significance levels:*** p<0.01, ** p<0.05, * p<0.1