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Supplemental table 1. Targeted aquatic species presence in rice field fisheries in Southwestern China and Southeast Asian countries

	Total aquatic species	Finfish	Crustacean	Mollusc	Amphibian	Reptile	Insect	Annelid	Plant	Ref.
Cambodia, Kampong Thom	102	70	6	1	2	8	2	-	13	Balzer et al, 2005
Cambodia Tonle Sap region	147	126	2	4	2	5	-	-	8	Freed et al, 2020
Lao PDR, Xieng Khouang, Phoukhout District	95	13	4	5	7	5	21	1	39	Pedersen et al, 2014
PR China, Yunnan, Xishuangbanna,	92	60	4	5	3	-	-	-	20	Aidong, 2005
VietNam, Hoa Binh & Lai Chau	90	42	3	7	3	3	6	-	26	Meusch, 2005
Lao PDR, Xieng Khouang and Houa Phanh	71	26	5	8	10	7	-	-	15	Choulamany, X. 2005
Indonesia, West Java, Subang District	61	32	3	5	2	3	5	2	9	Nawawi et al, 2014
Indonesia, Bali, Tabanan District	58	-	-	-	-	-	-	-	24	Sugama et al, 2014
Lao PDR, Xieng Khouang and Luang Prabang	49	20	-	3	4	-	16	-	22	Gregory et al., 2007
Malaysia (specific)	-	7	-	-	-	-	-	-	-	Ali 1990
Philippines, Luzon, site 1	32	15	4	7	-	2	-	-	4	Abella et al, 2014
Philippines, Luzon, site 2	32	8	4	3	1	2	-	-	2	Abella et al, 2014

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Supplemental Figure 1. Biodiversity in rice-fish production practices: a) rice field fisheries in Cambodia; b) rice field fisheries in Myanmar; c) community based fisheries and aquaculture in Bangladesh; d) rice-fish culture in Myanmar; e) rice-shrimp culture in Vietnam.

a)

b)

c)

d)

e)

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Supplemental Table 2. Green Revolution changes in rice yield and production; contemporary rice-fish production practices; and key indicators of current food availability, nutrition, and income for case study countries.

		Cambodia	Bangladesh	Myanmar	Vietnam
Change in rice yield (FAOSTAT 2020)	**1965-85 (%)**	117	129	185	143
	1965-2000 (%)	198	207	200	219
Change in rice production (FAOSTAT 2020)	**1965-85 (%)**	72	143	178	169
	1965-2013 (%)	377	327	327	470
	Contemporary Rice-fish production practices (area in ha)	Rice field fisheries (2.5m ha); few cases of rice-fish culture.	Rice field fisheries; rice shrimp/crab culture. Areas are not estimated as fish-rice practices not formally recognized.	Rice fish/shrimp/prawn culture (244,000 ha); community based fisheries and aquaculture (50,000 ha); rice field nurseries (3,000 ha)	Rice shrimp culture (160,000 ha); few remaining rice field fisheries.
	Milled rice supply per capita per year (kg; FAOSTAT 2013)	239	257	199	217
	Freshwater fish supply per capita per year (kg; FISHSTAT 2017)	34	19	30	13
	Hunger Index (GHI 2019)	22.8	25.8	19.8	15.3
	Childhood stunting (GHI 2019)	32.4	36.2	29.4	24.6
	Anemia in pregnant women (%; WHO 2016)	55.8	53.8	45.7	37.3
	GNI per capita (USD; WorldBank 2017)	1063	1176	1446	1704
	Income inequality (UNDP 2018)	14.3	15.7	19.9	18.1

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