

## Annex D Estuarine Fishes Recorded during Stream/estuarine Faunal Survey

Family	Species Name	Commonness	Conservation Status	Dry Season							Wet Season							
				TH	TC	ST	SLW	HHW	SW	Total	TH	TC	ST	SLW	HHW	SW	Total	
Dasyatidae	<i>Dasyatis akajei</i>		IUCN: Near Threatened; China Species Red List: Endangered									1			1		3	5
Anguillidae	<i>Anguilla japonica</i>	Uncommon <sup>a</sup>								2	2	1	1		1	2	3	8
Ophichthidae	<i>Pisodonophis boro</i>		IUCN: Least Concern									1						1
Plotosidae	<i>Plotosus lineatus</i>	Common <sup>b</sup>										1					1	2
Mugilidae	<i>Mugil cephalus</i>	Uncommon <sup>a</sup>	IUCN: Least Concern	7	6					23	36	42	245		99	23	105	514
Mugilidae	<i>Chelon subviridis</i>			181	30			43	48	153	455	9		70	98	152	329	
Mugilidae	<i>Chelon</i> sp.			260	262	32			62	168	784	25	55	80				160
Hemiramphidae	<i>Rhynchorhamphus georgii</i>											5	2		24			31
Belonidae	<i>Strongylura strongylura</i>	Common <sup>a</sup>		13	1				1		15				1	1		2
Syngnathidae	<i>Syngnathus schlegelii</i>	Rare <sup>e</sup>	IUCN: Least Concern	1							1	1	8		5	1	3	18
Syngnathidae	<i>Hippocampus kuda</i>	Rare <sup>d</sup>	IUCN: Vulnerable; China Species Red List: Endangered									1						1
Platycephalidae	<i>Platycephalus indicus</i>		IUCN: Data Deficient						1		1	1	1		3	2	4	11
Centropomidae	<i>Lates calcarifer</i>														1			1
Ambassidae	<i>Ambassis gymnocephalus</i>	Common <sup>a</sup>	IUCN: Least Concern	10		70					80	34	2	77	252		50	415
Percichthyidae	<i>Lateolabrax japonicus</i>	Uncommon <sup>d</sup>													1		1	2
Sillaginidae	<i>Sillago maculata</i>	Moderately abundant <sup>c</sup>															2	2
Sillaginidae	<i>Sillago sihama</i>				14			7	1	2	24	4	5	2	4	6	15	36
Lutjanidae	<i>Lutjanus argentimaculatus</i>	Common <sup>a</sup>										2	1		6			9
Gerreidae	<i>Gerres filamentosus</i>	Moderately abundant <sup>c</sup>	IUCN: Least Concern									1						1
Gerreidae	<i>Gerres oyena</i>	Common <sup>b</sup>		29	22	3		9			63	10	29	9	12		6	66
Gerreidae	<i>Gerres</i> sp.			4	24			9		18	55							
Haemulidae	<i>Pomadasys argenteus</i>		IUCN: Least Concern	1							1							
Sparidae	<i>Acanthopagrus latus</i>	Common <sup>a</sup>			3					1	4	7					11	18

Family	Species Name	Commonness	Conservation Status	Dry Season							Wet Season							
				TH	TC	ST	SLW	HHW	SW	Total	TH	TC	ST	SLW	HHW	SW	Total	
Sparidae	<i>Acanthopagrus schlegelii</i>	Common <sup>d</sup>	--													1	1	2
Sparidae	<i>Rhabdosargus sarba</i>	Common <sup>c</sup>	--								1							1
Teraponidae	<i>Terapon jarbua</i>	Common <sup>a</sup>	IUCN: Least Concern	1	62		9	20	19	111	5	15	9	8	20			57
Cichlidae	<i>Oreochromis mossambicus</i>	Common <sup>a</sup>	IUCN: Near Threatened		7				48	55							78	78
Cichlidae	<i>Oreochromis niloticus</i>	Common <sup>a</sup>	--						8	8								
Cichlidae	<i>Tilapia zillii</i>	Common <sup>a</sup>	--						58	58								
Blenniidae	<i>Omobranchus fasciolatoceps</i>	Abundant <sup>c</sup>	--		1					1	3	2		1			4	10
Blenniidae	<i>Omobranchus ferox</i>	--	IUCN: Least Concern	1						1								
Eleotridae	<i>Eleotris oxycephala</i>	Common <sup>a</sup>	IUCN: Least Concern	1				1	2	4		1		1			1	3
Eleotridae	<i>Eleotris acanthopoma</i>	Uncommon <sup>a</sup>	IUCN: Least Concern		4			15	2	21	2	2		5	16	6	31	31
Eleotridae	<i>Butis koilomatodon</i>	--	--									2						2
Eleotridae	<i>Butis melanostigma</i>	Uncommon <sup>a</sup>	--		1					1		3						3
Eleotridae	<i>Prionobutis</i> sp.	--	--		6					6								
Gobiidae	<i>Mugilogobius abei</i>	Common <sup>a</sup>	IUCN: Least Concern	12	9	4		2	5	32	2	18	8	4			3	35
Gobiidae	<i>Hemigobius hoevenii</i>	Rare <sup>a</sup>	--	55						55	2							2
Gobiidae	<i>Luciogobius guttatus</i>	Uncommon <sup>a</sup>	--		2	1		1		4			1	1	2		1	5
Gobiidae	<i>Tridentiger bifasciatus</i>	--	IUCN: Least Concern	2	33	5	2	1	5	48			5				5	10
Gobiidae	<i>Tridentiger trionocephalus</i>	Common <sup>a</sup>	--		16			8	7	6	37	8	31		20	18	30	107
Gobiidae	<i>Redigobius</i> sp.	Uncommon <sup>a</sup>	--					3		3	2	4		3			4	13
Gobiidae	<i>Drombus</i> sp.	Uncommon <sup>a</sup>	--						11	11		2					8	10
Gobiidae	<i>Favonigobius gymnauchen</i>	--	--			3			1	4		3	11	14				28
Gobiidae	<i>Favonigobius reichei</i>	Common <sup>a</sup>	IUCN: Near Threatened	32	43	8	99	10		192	22	12	8		20			62
Gobiidae	<i>Mugilogobius chulae</i>	Common <sup>a</sup>	IUCN: Least Concern	5					23	28							7	7
Gobiidae	<i>Pseudogobius javanicus</i>	Common <sup>a</sup>	--	18	129	7	10	7	81	252	28	119	10	37			27	221

Family	Species Name	Commonness	Conservation Status	Dry Season							Wet Season						
				TH	TC	ST	SLW	HHW	SW	Total	TH	TC	ST	SLW	HHW	SW	Total
Gobiidae	<i>Acentrogobius caninus</i>	--	--		1						1	1	1				2
Gobiidae	<i>Psammogobius biocellatus</i>	Uncommon <sup>a</sup>	IUCN: Least Concern								2	5			1	1	9
Gobiidae	<i>Glossogobius olivaceus</i>	Uncommon <sup>a</sup>	IUCN: Least Concern	19	34	3	3	3	24	86	2	4	3	1	3	6	19
Gobiidae	<i>Glossogobius giuris</i>	Common <sup>a</sup>	IUCN: Least Concern	5			31	22	1	59	3	11		3	22	8	47
Gobiidae	<i>Unidentified Arthropod</i>	--	--								1	6				1	8
Gobiidae	<i>Taenioides cirratus</i>	Uncommon <sup>a</sup>	IUCN: Data Deficient						1	1		1				3	4
Gobiidae	<i>Periophthalmus modestus</i>	Common <sup>a</sup>	--	124	47	9	8	26	64	278	28	69	12	40	24	55	228
Gobiidae	<i>Scartelaos histophorus</i>	--	--	1			3		3	7	2			3		5	10
Scatophagidae	<i>Scatophagus argus</i>	Common <sup>a</sup>	IUCN: Least Concern	9	11					20	4	6		5			15
Siganidae	<i>Siganus canaliculatus</i>	Common <sup>a</sup>	--		1					1	2	4		1			7
Tetraodontidae	<i>Takifugu niphobles</i>	Common <sup>a</sup>	IUCN: Data Deficient									2			5	8	15
Tetraodontidae	<i>Takifugu ocellatus</i>	Rare <sup>a</sup>	Fellowes et al., 2002: Local Concern											3	1	2	6
<b>Total No. of Species</b>				23	25	11	14	17	25	42	36	33	13	31	19	35	53
<b>Grand Total</b>				791	769	145	244	228	729	2906	266	672	235	630	266	620	2689
<b>Species Diversity Index (H')</b>				2.04	2.30	1.65	1.96	2.14	2.37		2.83	2.24	1.84	2.15	2.17	2.54	
<b>Speceis Evenness Index (J')</b>				0.65	0.72	0.69	0.74	0.76	0.73		0.79	0.64	0.72	0.62	0.74	0.71	

Assessment of commonness is based on:

a: AFCD Biodiversity Database;

b: Lee V.L.F., Lam S.K.S., Ng F.K.Y., Chan T.K.T., Young M.L.C. (2004) Field Guide to Freshwater Fish of Hong Kong. AFCD of the HKSAR Government.

c: Sadovy Y., Cornish A.S. (2000) Reef Fishes of Hong Kong. Hong Kong University Press, Hong Kong.

d: SimFish (2013) Xianggang yulei zhiran baitai (in Chinese). Society of Hong Kong Nature Explorers, Hong Kong.

e: To A., Ching K., Shea S. (2013) Hong Kong Reef Fish Photo Guide. Eco-Education & Resources Centre, Hong Kong.

TC = Tung Chung, ST = San Tau, TH = Tai Ho, SW = Sham Wat, SLW = Sha Lo Wan and HHW = Hau Hok Wan

IUCN status including Data Deficient and Least Concern were presented if available to illustrate the species' global situation but species with these two status were not considered to be of conservation interest.