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Supplementary Material

Baited remote underwater video sample less site attached fish species along a subsea pipeline compared to a remotely operated vehicle

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Table S1. Species recorded on the GWF-1 pipeline using BRUV and ROV.

Species	Common name	Commercially retained	Number recorded on:		FishBase AR			PCO outputs		
			ROV	BRUV	Mean	<i>n</i>	s.e.	Axis 1	Axis 2	<i>r</i>
<i>Argyrops spinifer</i>	frypan snapper	Y	0	15	2.56	2	0.34	0.347	-0.668	0.75
<i>Bodianus solatus</i>	sunburnt pigfish	Y	4	0	1.22 ^A	1		0.203	0.005	0.204
Bothidae spp.	flounder		1	0				0.222	0.075	0.235
<i>Carangoides caeruleopinnatus</i>	onion trevally	Y	1	1	5.1	3	0.34	0.219	-0.159	0.271
<i>Carangoides chrysophrys</i>	longnose trevally	Y	3	19	4.52	1		0.274	-0.467	0.54
<i>Caranx ignobilis</i>	giant trevally	Y	1	1	3.48	1		0.213	-0.101	0.236
<i>Caranx papuensis</i>	brassy trevally	Y	0	1	4.05	1		0.116	-0.282	0.305
<i>Carcharhinus plumbeus</i>	sandbar shark		1	5	3.18	2	0.33	0.296	-0.477	0.56
<i>Carcharhinus sorrah</i>	spot-tail shark		0	2	2.33	2	0.46	0.165	-0.378	0.412
<i>Chaetodontoplus personifer</i>	yellowtail Angelfish		2	0	1.82	1		0.162	-0.093	0.187
<i>Decapterus</i> sp1	scad		0	18				0.244	-0.445	0.51
<i>Echeneis naucrates</i>	slender suckerfish		0	3	1.54	1		0.117	-0.251	0.277
<i>Epinephelus amblycephalus</i>	banded grouper	Y	1	0	1.31	3	0.09	0.156	0.07	0.171
<i>Epinephelus areolatus</i>	areolate grouper	Y	28	1	1.78	4	0.07	0.446	0.294	0.53
<i>Epinephelus</i> sp10	unidentifiable grouper		2	0						
<i>Glaucosoma buergeri</i>	pearl perch	Y	129	0	1.76	2	0.19	0.286	-0.077	0.296
<i>Haploxygnathys dampieriensis</i>	Australian striped velvetfin	Y	5	0		1		0.141	-0.121	0.186
<i>Lagocephalus lunaris</i>	rough golden toadfish		0	11	2.09	2	1.09	0.349	-0.625	0.72
<i>Lagocephalus sceleratus</i>	silver toadfish		0	1	1.8	1		0.124	-0.173	0.213
<i>Lethrinus nebulosus</i>	spangled emperor	Y	1	0	1.84	2	0.06	0.222	0.075	0.235
<i>Lutjanus malabaricus</i>	saddletail snapper	Y	67	3	1.47	2	0.16	0.314	0.043	0.317
<i>Lutjanus quinquelineatus</i>	five-lined snapper	Y	18	0	2.12	2	0.09	0.255	0	0.255
<i>Lutjanus russellii</i>	Moses' snapper	Y	82	0	2.21	3	0.14	0.221	0.114	0.248
<i>Lutjanus sebae</i>	red emperor	Y	6	1	1.6	2	0.15	0.236	-0.174	0.293
<i>Lutjanus vitta</i>	brownstripe snapper	Y	17	0	2.19	3	0.26	0.254	0.123	0.282
<i>Nemipterus</i> spp. (cf. <i>furcosus</i>)	threadfin bream		0	38	2.91 ^B	2	0.16	0.35	-0.643	0.73
<i>Netuma thalassina</i>	giant Sea Catfish		0	2	2.64	2	0.19	0.107	-0.217	0.242
<i>Ophichthus lithinus</i>	Evermann's snake eel		0	1	NA	1		0.116	-0.16	0.198
<i>Ostichthys kaianus</i>	deepwater squirrelfish		2	0	1.56	1		0.155	-0.119	0.195
<i>Priacanthus hamrur</i>	lunartail bigeye		2	0	2.91	1		0.124	-0.103	0.161
<i>Pristipomoides multidens</i>	goldband snapper		0	35	2.51	1		0.272	-0.534	0.6
<i>Pterois volitans</i>	common lionfish		4	0	1.1	1		0.263	0.102	0.282
<i>Rhynchobatus australiae</i>	whitespotted guitarfish		0	1	NA	1		0.11	-0.146	0.183
<i>Sargocentron punctatissimum</i>	speckled squirrelfish		4	0	1.93	1		0.16	-0.029	0.163
<i>Sargocentron rubrum</i>	red squirrelfish		1	0	2.44	1		0.124	-0.103	0.161
<i>Saurida undosquamis</i>	brushtooth lizardfish		0	4	2.58	2	0.65	0.218	-0.402	0.457
<i>Seriola dumerili</i>	amberjack	Y	184	6						
<i>Sphyma lewini</i>	scalloped hammerhead		0	1	1.81	2	0.13	0.096	-0.07	0.119
Small unidentifiable species			16440	0				0.336	0.035	0.338
<i>Upeneus moluccensis</i>	goldband goatfish		0	7	1.98	1		0.247	-0.453	0.52

FishBase aspect ratio (AR) is presented as a mean of all records and includes the standard error (s.e.) of all records.

^A*Bodianus perditio* was used as a substitute for *Bodianus solatus*.

^B*Nemipterus furcosus* was used as a substitute for *Nemipterus* spp.