

Annex 12.1

Results of the Fisheries  
Assessment Conducted at  
the Proposed Reclamation  
Area  
(IECS)



## ANNEX 12

### 12.1 COMMERCIAL FISHERIES

12.1.1 Results of the fisheries assessment conducted at the proposed reclamation area are shown in *Table 10.1 Intertidal Assessment* and *Table 10.2 Subtidal Assessment*. The intertidal samples were collected with fyke (eel) nets with 15 mm mesh and a 6 m central net wall. The nets were deployed between Mean Sea Level and Mean High Water Neap over two consecutive tides resulting in approximately 7.5 hours of actual sampling time. The subtidal samples were collected with a 2 m beam trawl fitted with a 5 mm codend mesh.

12.1.2 The species are ranked in order of averaged abundance according to effort (fyke<sup>-1</sup> day<sup>-1</sup>) or area (1000 m<sup>2</sup>) for the intertidal and subtidal assessment, respectively. Coefficients of variation (CV %) are given.

*Table 12.1 Intertidal Assessment*

A	Fyke nets		Stations						CV (%)
	Jun-10	Species fish	English name	F1	F2	F3	F4	CPUE (ind. fyke <sup>-1</sup> day <sup>-1</sup> )	
		<i>Platichthys flesus</i>	Flounder	2	3	3	14	18.2	103
		<i>Solea solea</i>	Common sole	-	-	-	9	7.4	-
		<i>Ciliata mustela</i>	5-bearded Rockling	-	-	1	-	0.8	-
		<i>Pollachius virens</i>	Saithe	-	-	-	1	0.8	-
		Species shellfish							
		<i>Carcinus maenas</i>	Shore crab	-	-	-	5	4.1	-
Oct-10	Species fish	English name	F1	F2	F3	F4	CPUE (ind. fyke <sup>-1</sup> day <sup>-1</sup> )	CV (%)	
		<i>Solea solea</i>	Common sole	6	26	39	4	62.1	89
		<i>Merlangius merlangus</i>	Whiting	11	18	28	3	49.7	71
		<i>Platichthys flesus</i>	Flounder	6	17	12	-	29.0	47
		<i>Ciliata mustela</i>	5-bearded Rockling	1	3	8	9	17.4	74
		<i>Pomatoschistus minutus</i>	Sand goby	1	-	1	-	1.7	-
		<i>Pollachius pollachius</i>	Pollack	-	-	-	1	0.8	-
		Species shellfish							
		<i>Crangon</i> sp.	Brown shrimp	94	50	62	61	221.0	28
		<i>Carcinus maenas</i>	Shore crab	1	1	2	54	48.0	182

Table 12.2 Subtidal Assessment

B	Beam trawl	Stations											
		depth zone (m)	0-5				5-10				Abundance	CV	
May-10	Species fish	English name	T1	T2	T7	T8	T3	T4	T5	T6	(ind. 1000 m <sup>-2</sup> )	(%)	
	<i>Pomatoschistus minutus</i>	Sand goby	10	15	-	4	4	8	30	7	8.70	82	
	<i>Solea solea</i>	Common sole	2	6	1	2	-	-	2	3	1.79	66	
	<i>Ciliata mustela</i>	5-bearded Rockling	-	4	-	-	-	-	-	-	0.45	-	
	<i>Merlangius merlangus</i>	Whiting	-	-	-	-	1	-	3	-	0.45	71	
	<i>Syngnathus rostellatus</i>	Lesser pipefish	1	-	-	-	1	-	-	-	0.22	-	
	<i>Trisopterus luscus</i>	Bib	-	-	-	-	-	-	2	1	0.33	47	
	<i>Lampetra fluviatilis</i>	River lamprey	-	-	-	-	1	-	-	-	0.11	-	
	<i>Platichthys flesus</i>	Flounder	-	-	-	-	-	1	-	-	0.11	-	
	<i>Liparis Montagu</i>	Sea snail	-	-	-	-	-	-	-	1	0.11	-	
	<b>Species shellfish</b>												
	<i>Crangon</i> sp.	Brown shrimp	68	-	-	-	-	-	-	-	7.59	-	
	<i>Carcinus maenas</i>	Shore crab	1	-	-	1	1	-	1	3	0.78	64	
	<i>Palaemon longirostris</i>	Delta prawn	-	-	-	-	4	1	-	-	0.56	85	
Nov-10	Species fish	English name	T1	T2	T7	T8	T3	T4	T5	T6	(ind. 1000 m <sup>-2</sup> )	(%)	
	<i>Pomatoschistus minutus</i>	Sand goby	1	5	31	10	64	6	16	29	19.23	103	
	<i>Merlangius merlangus</i>	Whiting	12	7	7	2	31	3	2	1	7.71	122	
	<i>Solea solea</i>	Common sole	1	2	2	7	1	-	1	2	1.90	94	
	<i>Liparis Montagu</i>	Sea snail	1	-	2	2	4	-	-	1	1.19	61	
	<i>Glyptocephalus cynoglossus</i>	Witch	-	-	2	1	1	-	4	-	0.95	71	
	<i>Platichthys flesus</i>	Flounder	-	-	-	2	-	-	-	4	0.71	47	
	<i>Agonus cataphractus</i>	Pogee	-	-	-	-	-	-	-	1	0.12	-	
	<i>Pleuronectes platessa</i>	Plaice	-	-	-	1	-	-	-	-	0.12	-	
	Clupeidae*	Herring	-	-	-	-	-	-	-	-	-	-	
	<b>Species shellfish</b>												
	<i>Crangon</i> sp.	Brown shrimp	57	21	156	408	236	49	164	272	152.09	77	
	<i>Pandalus montagui</i>	Aesop shrimp	-	-	5	1	10	-	-	3	2.12	81	
	<i>Carcinus maenas</i>	Shore crab	-	3	3	-	2	1	4	4	1.90	41	

\*Two damaged individuals were found in the catch possibly prey items regurgitated by larger fish while trapped in the codend