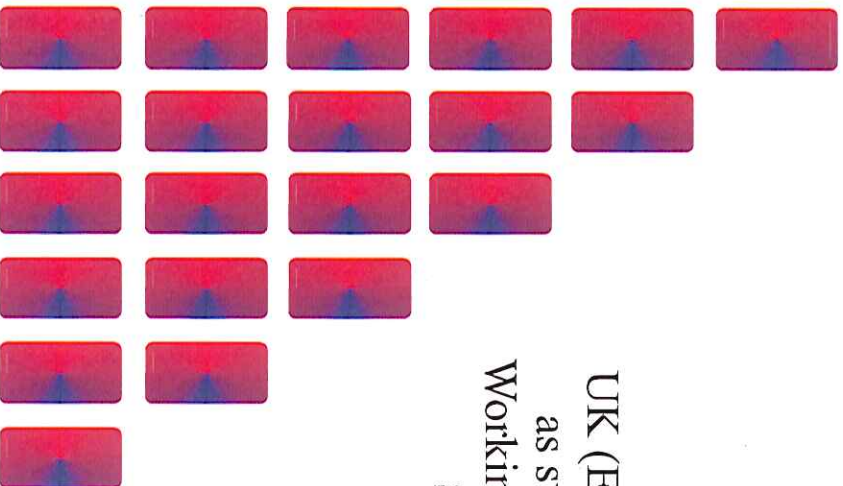


Annual Data File

VIIa Whiting

2010

Provisional



UK (England & Wales) data
as supplied to the ICES
Working Group for the Celtic
Seas Ecoregion,
May 2011

I.C.E.S.

WORKING GROUP FOR THE CELTIC SEAS ECOREGION
ANNUAL DATA FILE

This document constitutes part of the Working Group's historical data base and under no circumstances should it be removed from ICES headquarters. Any amendments to the contents should be clearly annotated, dated and initialled, and drawn to the attention of the WG chairman. This document may be copied but only with the express approval of the relevant national WG member. It should be understood however that these data would normally only be used by the WG or ACFM to carry out assessment, since they may be part of on-going national research programmes

STOCK:

IRISH SEA WHITING

ICES DIVISION :

VIIa

FISHING YEAR :

2010

COUNTRY :

UK (ENGLAND & WALES)

TONNES LANDED :

3.559

including landings by UK (E+W) vessels outside UK

PREPARED BY :

D Brown

CHECKED BY :

I Holmes

DATE :

12/04/2011

DATE :

13/04/2011

ADDRESS :

CEFAS, LOWESTOFT LABORATORY,
PAKEFIELD ROAD, LOWESTOFT,
SUFFOLK, NR33 0HT.

TELEPHONE NO :

(01502) 562244

2011 WORKING GROUP PREPARATION :**CONTENTS LIST****STOCK :**

Vlla Whiting

YEAR :

2010

COUNTRY :

UK (ENGLAND & WALES)

Item	Page number
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Landings per unit effort (LPUE), Landings and Effort time series	7
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Discard information	9
Discard Length Distributions	10
Time series of UK Research vessel tuning fleets/recruit data	11
UK tuning fleets (commercial & survey) for use in XSA	12

2011 WORKING GROUP PREPARATION :

PROCESSING NOTES

STOCK : Vila Whiting

YEAR : 2010

COUNTRY : UK (ENGLAND & WALES)

LANDINGS (t) : 3.559 Landings by UK vessels into England & Wales.

3.559 Including landings by E&W vessels outside UK.

AGE COMPOSITIONS

	Q1	Q2	Q3	Q4	ANNUAL
BEAM TRAWL	X	X	X	X	X
ALL BAR BEAM	X	X	X	X	X
ALL GEARS COMBINED	X	X	X	X	X
ALK'S USED					
UNSEXED	X	X	X	X	X

REVISIONS TO PREVIOUS YEARS DATA NEEDED/CARRIED OUT :

2009 No revision required

2011 WORKING GROUP PREPARATION :

GENERAL INFORMATION ON FISHING

STOCK : Villa Whiting

YEAR : 2010

COUNTRY : UK (ENGLAND & WALES)

LANDINGS BY UK VESSELS - BY COUNTRY OF LANDING (tonnes)

VESSEL NATIONALITY	COUNTRY OF LANDING	Q1	Q2	Q3	Q4	ANNUAL
UK	England & Wales	0.460	0.601	2.455	0.043	3.559
	TOTAL	0.460	0.601	2.455	0.043	3.559

TAC for 2010 157 tonnes

TAC for 2011 118 tonnes

UK (E&W) quota 60 tonnes

UK (E&W) quota 46 tonnes

LANDINGS BY UK VESSELS INTO ENGLAND & WALES - BY GEAR GROUP (tonnes)

GEAR GROUP	Q1	Q2	Q3	Q4	ANNUAL
All bar beam Trawl	0.460	0.601	2.455	0.043	3.559
All gears	0.460	0.601	2.455	0.043	3.559

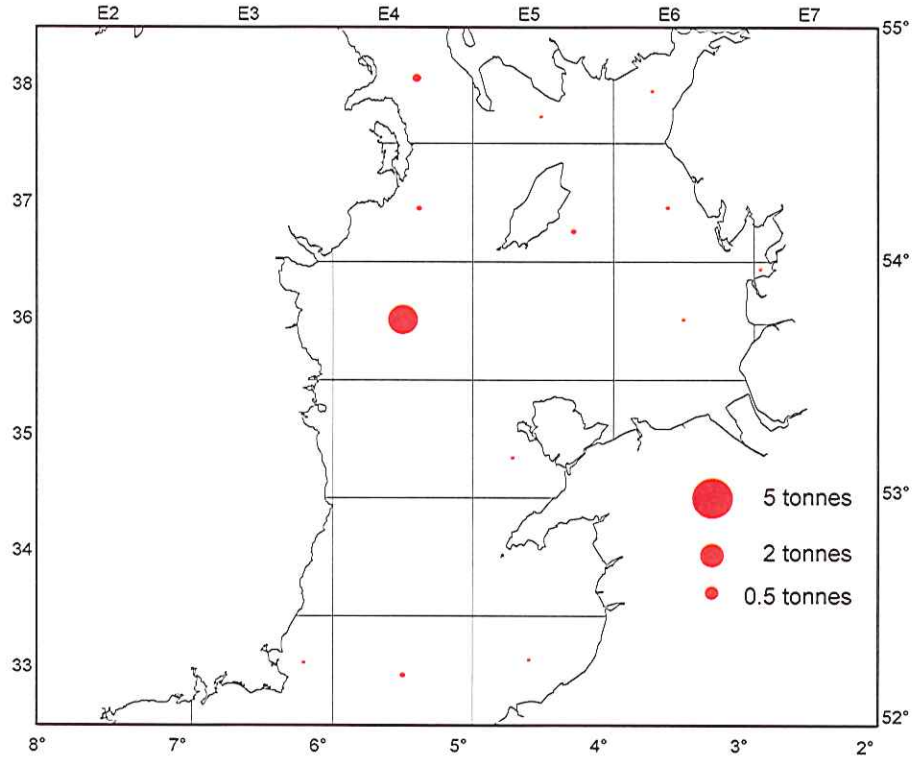
2011 WORKING GROUP PREPARATION

LANDINGS BY ICES RECTANGLE

STOCK : Villa Whiting

YEAR : 2010

COUNTRY : (UK England and Wales)



Total UK (E+W) Landings

3.56 tonnes

No UK landings by Sampled Vessels

UK Vessels landing into England and Wales plus England and Wales vessels landing abroad

2011 WORKING GROUP PREPARATION :

MARKET SAMPLING SUMMARY

STOCK : Vila Whiting

YEAR : 2010

COUNTRY : UK (ENGLAND & WALES)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann total
* LANDINGS (t) Vila	0.03	0.02	0.41	0.17	0.20	0.24	0.22	1.84	0.40	0.01	0.03	0.00	3.56
+ NOS. OF LENGTH SAMPLES	0	0	0	0	0	0	0	0	0	0	0	0	0
+ SAMPLE WT. (t)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
NOS. OF FISH ANALYSED BY:													
+ 1. LENGTH	0	0	0	0	0	0	0	0	0	0	0	0	0
+ 2. WEIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0
+ 3. AGE	0	0	0	0	0	0	0	0	0	0	0	0	0
+ 4. SEX	0	0	0	0	0	0	0	0	0	0	0	0	0
+ 6. MAT. STAGE	0	0	0	0	0	0	0	0	0	0	0	0	0
CUM.LANDINGS	0.03	0.05	0.46	0.63	0.83	1.06	1.28	3.12	3.52	3.52	3.56	3.56	3.56

COMMENTS : Gutted/Fresh conversion factor if used = x1.13

	Retrieval date
* Source : FAD Retrieval system	12-Apr-11
+ Source : Biological Sampling Database retrieval	11-Apr-11

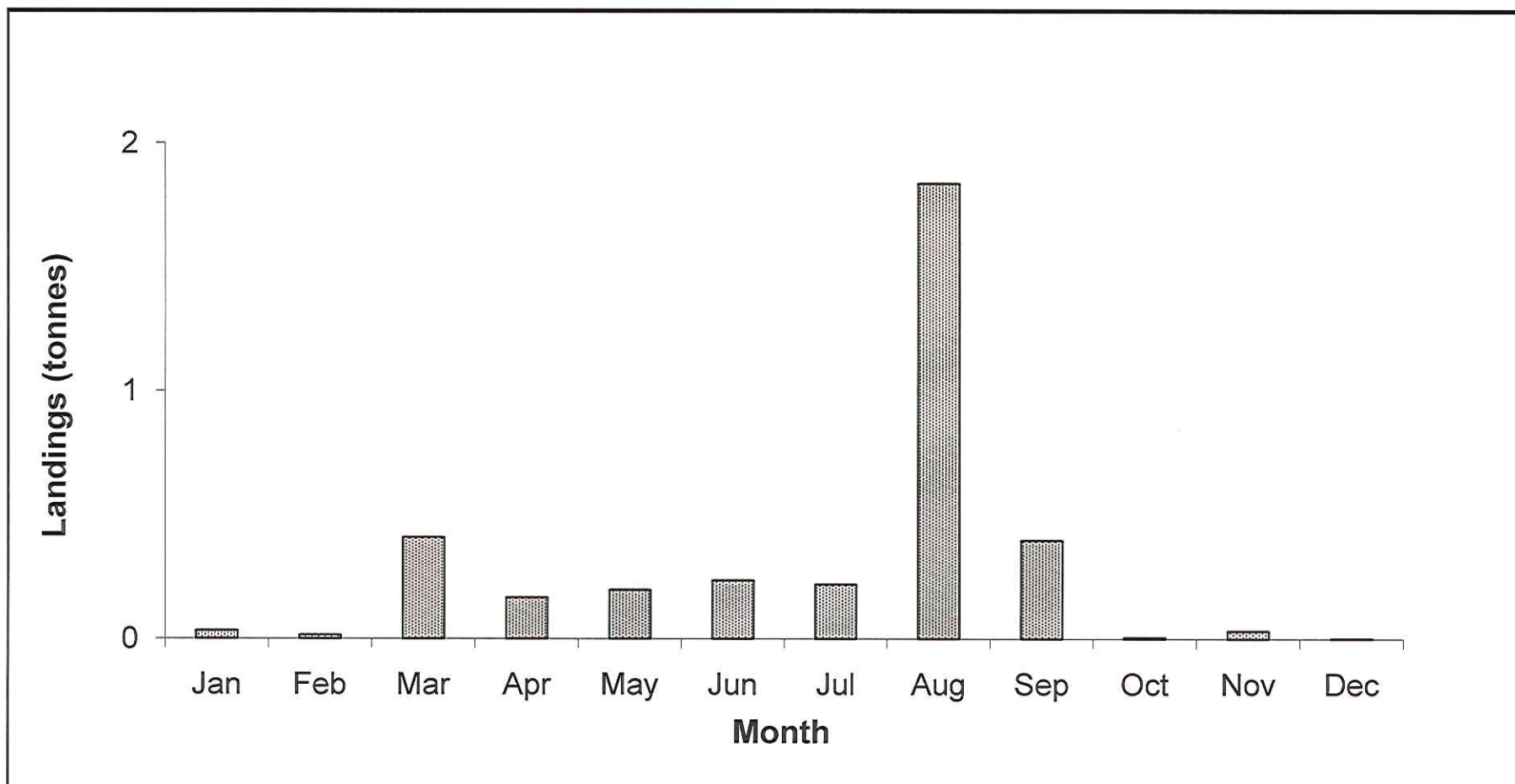
2011 WORKING GROUP PREPARATION :

LANDINGS BY MONTH

STOCK : Villa Whiting

YEAR : 2010

COUNTRY : UK (ENGLAND & WALES)



2011 WORKING GROUP PREPARATION :

LANDINGS PER UNIT EFFORT (LPUE)

STOCK :

Vila Whiting

YEAR :

2010

COUNTRY :

UK (ENGLAND & WALES)

YEAR	LPUE		EFFORT	
	BEAM	TRAWL	BEAM	TRAWL
72		4.78		128.40
73		7.78		147.64
74		5.81		115.16
75		3.90		130.73
76		4.30		122.34
77		5.94		101.88
78	1.65	7.35	0.88	89.07
79	1.31	7.00	1.70	89.86
80	1.00	7.88	4.28	107.03
81	0.84	6.58	6.43	107.06
82	0.56	6.12	5.50	127.19
83	0.96	6.03	2.77	88.09
84	2.02	5.89	4.14	103.11
85	2.52	7.83	7.41	102.86
86	0.84	7.62	17.03	90.33
87	1.08	6.69	22.00	130.60
88	0.99	4.58	18.56	131.95
89	1.01	4.01	25.29	139.52
90	1.46	5.93	31.00	117.06
91	1.37	6.85	25.84	107.29
92	1.48	6.23	23.40	96.80
93	1.49	5.46	21.50	78.95
94	1.15	4.58	20.15	43.00
95	0.91	7.96	20.93	43.15
96	0.92	5.97	13.32	42.24
97	0.58	5.24	10.76	39.89
98	0.55	7.53	10.39	36.90
99	0.53	6.02	11.02	22.90
00	0.34	4.80	6.28	26.97
01	0.22	1.02	12.50	32.96
02	0.21	0.82	8.02	24.76
03	0.17	0.54	14.00	23.85
04	0.20	0.14	7.40	23.46
05	0.06	0.28	11.40	16.68
06	0.02	0.24	4.65	5.22
07	0.10	0.01	3.20	4.40
08	0.00	0.01	1.30	2.71
09	0.03	0.03	0.46	1.54
10*	0.00	0.09	0.19	1.03

*Provisional

2011 WORKING GROUP PREPARATION :

TIME SERIES OF EFFORT + LANDINGS/QUOTA UPTAKE

STOCK :

Vlla Whiting

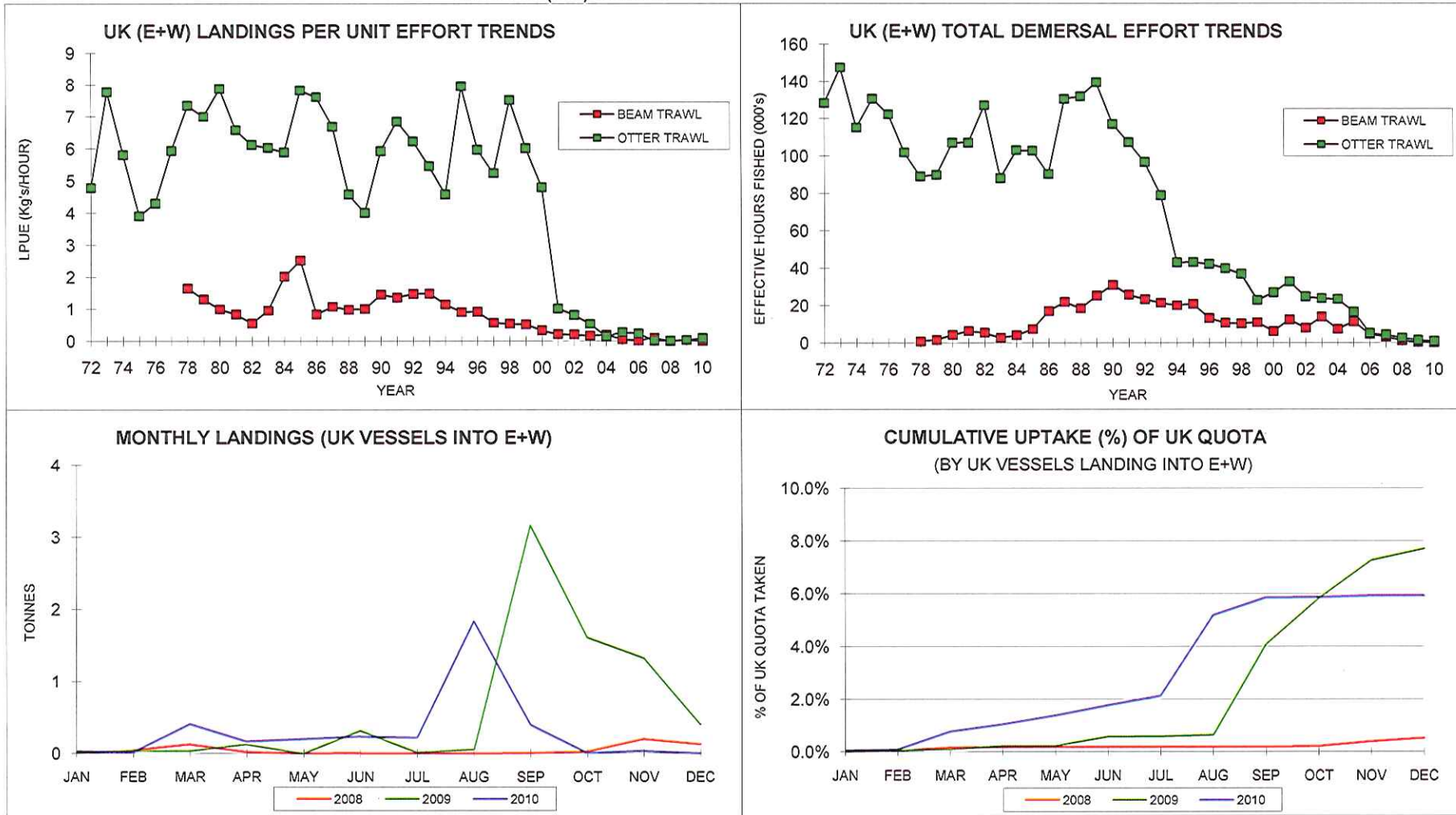
YEAR :

2010

COUNTRY :

UK (ENGLAND & WALES)

IRISH SEA (Vlla) WHITING



2011 WORKING GROUP PREPARATION :

DISCARDING INFORMATION

STOCK : VIIa Whiting

YEAR : 2010

COUNTRY : UK (ENGLAND & WALES)

Note that strings refers to static gear e.g. long lines, nets, pots and hauls to towed gears

Stock Area	Effort	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Grand Total
	Trips Sampled	1	5	3	2	11
	Hauls/Strings Sampled	2	12	6	4	24
	No of hours fished	6	32	12	13	63

RAISED WEIGHT MEASURED DURING DISCARD SAMPLING (KG)

SPECIES	STOCK	Quarter 1		Quarter 2		Quarter 3		Quarter 4	
		Retained	Discarded	Retained	Discarded	Retained	Discarded	Retained	Discarded
Whiting	VIIa	0.0	24.0	0.0	19.5	0.0	4.7	0.0	0.1
<u>Total</u>		<u>0.0</u>	<u>24.0</u>	<u>0.0</u>	<u>19.5</u>	<u>0.0</u>	<u>4.7</u>	<u>0.0</u>	<u>0.1</u>

RAISED NUMBER MEASURED DURING DISCARD SAMPLING

SPECIES	STOCK	Quarter 1		Quarter 2		Quarter 3		Quarter 4	
		Retained	Discarded	Retained	Discarded	Retained	Discarded	Retained	Discarded
Whiting	VIIa	0	707	0	470	0	22	0	5
<u>Total</u>		<u>0</u>	<u>707</u>	<u>0</u>	<u>470</u>	<u>0</u>	<u>22</u>	<u>0</u>	<u>5</u>

Source: CEFAS Discards Team.

2011 WORKING GROUP PREPARATION :

DISCARDING INFORMATION

STOCK :

Vila Whiting

YEAR :

2010

COUNTRY :

UK (ENGLAND & WALES)

Raised length distributions of Discard Sampling Trips - by Quarter

Length cm	Quarter 1		Quarter 2		Quarter 3		Quarter 4	
	Retained	Discarded	Retained	Discarded	Retained	Discarded	Retained	Discarded
10		9						
11		35						
12		111		28				2
13		124		23				0
14		144		50				2
15		122		55				
16		61		89				
17		36		65				
18		18		43				
19		18		36				
20		8		18				
21		6		36				
22		2		9				
23		16		0				
24		0		9				
25		0		0		11		
26		0		0		0		
27		0		6		0		
28		0		6		0		
29		4				0		
30		0				0		
31		4				0		
32						0		
33						11		
Total	0	707	0	470	0	22	0	5

Source: CEFAS Discards Team.

2011 WORKING GROUP PREPARATION :

TIME SERIES OF UK RESEARCH VESSEL TUNING FLEETS/RECRUIT DATA

STOCK :

Vila Whiting

YEAR :

2010

COUNTRY :

UK (ENGLAND & WALES)

wistune1

IRISH SEA BEAM TRAWL SURVEY

(ISN + ISS)

AUTUMN

Species: WHITING

YEAR	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
No of tows	54	54	54	53	54	54	35	35	35	35	35	34	35	34	34	34	34	33	34	34	33	34	34	
Total duration (min)	1620	1620	1620	1590	1620	1620	1050	1050	1050	1050	1050	1010	1050	1020	1005	990	976	951	975	975	990	1020	1020	
Total dist (n miles)	85.8	108.6	108.4	103.6	107.2	109.7	67.4	67.1	68.1	71.1	69.8	67.6	61.5	68.7	65.4	64.7	61.5	64.6	66.78	68	62.9	65.3	60.4	
Total dist (metres)	158987	201236	200865	191971	198642	203274	124892	124336	126189	132860	129339	125263	113960	127301	121186	119889	113960	119704	123743	126004	116554	121001	111921	
Total no of fish	age 0	326	226	316	494	451	297	196	1952	172	406	581	321	596	283	520	908	845	1019	369	826	397	206	
	1	134	66	242	74	596	197	133	74	207	277	186	153	139	197.0	103	184	339	293	222	90	85	385	
No/hour	age 0	12.1	8.4	11.7	18.6	16.7	11.0	11.2	111.5	9.8	23.2	51.7	34.5	18.3	35.1	16.9	31.5	55.8	53.3	62.7	22.7	50.1	23.3	12.1
	1	5.0	2.4	9.0	2.8	22.1	7.3	7.6	4.2	11.8	15.8	10.6	9.1	7.9	11.6	6.1	11.2	20.8	18.5	13.7	5.5	5.2	22.6	1.8
No/100km	age 0	205.0	112.3	157.3	257.3	227.0	146.1	156.9	1569.9	136.3	305.6	699.7	463.8	281.7	468.2	233.5	433.7	796.8	705.9	823.5	292.8	708.7	327.8	184.1
	1	84.3	32.8	120.5	38.5	300.0	96.9	106.5	59.5	164.0	208.5	143.8	122.1	122.0	154.8	85.0	153.5	297.5	244.8	179.4	71.4	72.9	317.8	27.7

NB

1988-2008: RV Corystes; 2009-Present: RV Cefas Endeavour

For years 1988 to 1991 all tows 15 minute duration.

DATA FOR THOSE YEARS RAISED TO 30 MINUTE TOWS

2008 data calculated using SAS code

Years 1994-> Only Primary stations fished

2011 WORKING GROUP PREPARATION :

UK TUNING DATASETS (FOR XSA)

STOCK :

Vila Whiting

YEAR :

2010

COUNTRY :

UK (ENGLAND & WALES)

UK (E&W)-BTS-Q3 (prime stations only)

1988,2010 Effort and numbers at age (per 100 Km towed)

1 1 0.75 0.79

0 1

1 326 134

1 226 66

1 316 242

1 494 74

1 451 596

1 297 197

1 196 133

1 1952 74

1 172 207

1 406 277

1 905 186

1 581 153

1 321 139

1 596 197

1 283 103

1 520 184

1 908 339

1 845 293

1 1019 222

1 369 90

1 826 85

1 397 385

1 206 31