

I.—PARTICULARS OF TRAWLING STATIONS OF S.S. HUXLEY.

TRAWLING INVESTIGATIONS, 1904-5.

I.—PARTICULARS OF TRAWLING STATIONS OF S.S. *HUXLEY*.

II.—DETAILED MEASUREMENTS OF PLAICE CAUGHT AT EACH HAUL OF THE COMMERCIAL TRAWLS. S.S. *HUXLEY*.

III.—SUMMARIES OF HAULS MADE BY S.S. *HUXLEY*, DISTINGUISHING THE SIZES OF FISH IN 10 CM. GROUPS.

WITH CHARTS 1-4 AT THE END.

I.—PARTICULARS OF TRAWLING

EXPLANATIONS OF ABBREVIATIONS

gvl. or grv. = gravel.
 m. = mud.
 ooze = fine mud of little tenacity.
 ross = sand-tubes of *Sabellaria spinulosa*, aggregated in rough masses.
 s. = sand.
 sh. = shells.
 br. = brown.

Came fast.—The trawl was stopped by some part of it encountering an obstacle (e.g., wrecks, ross-banks, boulders).
Foul haul.—A haul in which normal fishing was prevented by accident to some part of the trawl or warps

Voyage.	Station	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot-ing.	Towing.	Haul-ing.	Shoot-ing.	Towing.	Haul-ing.
XXV	1	1904. Jan.	2	O 146	Lower Scruff ..	54° 53½' N., 4° 48½' E.	N. E. ½ E. 2 miles N. by E. ½ E. 10 miles.	55° 5½' N., 4° 53½' E.	21½	22	21½	f.l.s.	..	f.l.s.
"	2	"	"	O 147	" "	55° 5½' N., 4° 53½' E.	N.N.W. ¾ mile N.E. ½ E. 12 miles.	55° 15½' N., 5° 6' E.	21½	22½	24½	f.l.s.	..	f.g.s.
"	3	"	5	O 148	South East of Tail End of Dogger.	55° 31½' N., 4° 45' E.	S.S.E. 15 miles	55° 19½' N., 4° 59' E.	17	19-21	23	spk.s.	..	f.sharp. s.
"	4	"	"	O 149	East of Tail End of Dogger.	55° 18' N., 5° 12' E.	N.W. 3 miles E.S.E. 14 miles.	55° 17' N., 5° 33½' E.	23	..	24	f.s.	..	s. & o.
"	5	"	"	O 150	West of Horn Reef Outer.	55° 17' N., 5° 33½' E.	E. by N. 15 miles	55° 24' N., 5° 59' E.	24	..	26	s. & o.	..	s. & o.
"	6	"	6	O 151	West part of Horn Reef Outer.	55° 24½' N., 6° 6½' E.	E. by N. ¾ N. 15 miles	55° 31' N., 6° 30' E.	26	23	21	s. & o.	s. & o.	s. & o.
"	7	"	"	O 152	Horn Reef Outer ..	55° 31' N., 6° 30' E.	S. 2 miles N. 6½ miles. S.S.E. 4 miles.	55° 32½' N., 6° 33' E.	21	22	22	s. & o.	..	s. & o.
"	8	"	"	O 153	" " "	55° 32½' N., 6° 33' E.	E.S.E. 1 mile N. by E. 5 miles. S. 5 miles. N. by W. 3½ miles.	55° 35½' N., 6° 34½' E.	22	22	22	s. & o.	..	s. & o.
"	9	"	6-7	O 154	" " "	55° 35½' N., 6° 34½' E.	S. ½ W. 2½ miles N. by E. 7 miles. S. ½ W. 3 miles.	55° 37' N., 6° 35' E.	22	22	22	s. & o.	..	s. & o.
"	10	"	7	O 155	" " "	55° 37' N., 6° 35' E.	S. 2 miles N. ½ E. 7 miles. S. 5 miles.	55° 38' N., 6° 37½' E.	22	22	20	s. & o.	..	f.s. & o.
"	11	"	8	O 156	Borkum Outer ..	54° 21' N., 5° 59' E.	S.E. by S. ½ S. 9½ miles	54° 14' N., 6° 9½' E.	22	22	20½	f.d.s.	..	f.s. & o.
"	12	"	"	O 157	" " "	54° 14' N., 6° 9½' E.	N.E. by E. ¾ E. 3¼ miles W. by N. 10 miles.	54° 16' N., 5° 53' E.	20½	21	22	f.s. & o.	..	f.s. & m.
"	13	"	"	O 158	" " "	54° 16' N., 5° 53' E.	.. .. .	54° 16' N., 5° 53' E.	22	..	22	s.m.	..	s.m.
"	14	"	9	B 100	" " "	54° 17' N., 6° 14' E.	W. ¾ N. 14 miles	54° 16½' N., 5° 49' E.	21	21	21	f.s. & o.	..	f.s. & m.
XXVI	2	"	19	B 101	North East of Blake-ney Overfall.	53° 4½' N., 1° 3¾' E.	N.W. by N. ¼ N. 5 miles N.E. by N. ¼ N. 1½ miles.	53° 9' N., 0° 58' E.	10	..	10	c.s. & sh.	..	c.s.
"	3	"	20	B 102	Lynn Deep ..	52° 57½' N., 0° 17½' E.	N.E. by E. 1½ miles	52° 59' N., 0° 20' E.	12	..	10	c.s.	..	c.s. & m.
XXVII	1	Feb.	26	B (c) 103	Teignmouth Bay ..	50° 29½' N., 3° 29½' W.	E. by S. 1½ miles W.N.W. 1½ miles. E. 1½ miles.	50° 30½' N., 3° 29½' W.	6	8	10	s. & m.	s. & m.	s.
"	2	"	"	B 104	Off the Ledge ..	50° 29½' N., 3° 21' W.	E. by N. 2 miles	50° 30½' N., 3° 18½' W.	14	14	14	s. & sh.	..	s & sh.
"	3	"	27	B 105	Inside Eastern Scruff	50° 31' N., 2° 58' W.	N.E. ¾ N. 5 miles E. 4 miles.	50° 36' N., 2° 47½' W.	22	19	17	blk. spk.s.	..	f.s.

STATIONS OF S.S. "Huxley."

AND PHRASES.

- | | | |
|---------------------------------------------------------|--------------------------------|-----------------------------|
| O. = Otter Trawl. | c. = coarse (Bottom Deposits.) | c. = common (Bottom Fauna). |
| B. = Beam Trawl. | d. = dark. | fc. = fairly common |
| O. (c.) = Otter Trawl covered with fine meshed netting. | f. = fine. | vc. = very common |
| B. (c.) = Beam Trawl covered with fine meshed netting. | g. = grey. | |
| | l. = light. | |
| | r. = ross. | |
| | spk. = speckled. | |

Had a pull out, or Pulled out.—The trawl came fast temporarily, but resumed its course.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks. Trawlers Working, &c. Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
8 a.m.	1 p.m.	5	Nil	Moderate	S.E. 4	Overcast	Net slightly torn	Not recorded; no Naturalists on board	C. W. Dance. Passed several "fleet- ing" steamers and S.S. Hornsea, cutter, of Hull. Spoke the S.S. Ely, of Hull.
2 p.m.	7 p.m.	5	Nil	Rough	S.E. by S. 6.	Cloudy	—	" " "	Several steam traw- lers passed us.
12.15 a.m.	7 a.m.	6½	Nil	Moderate	S. by E. 4.	Overcast	Net very badly torn.	" " "	Spoke S.S. Topaz, of Hull.
Noon	6 p.m.	6	Nil	Moderate	S.E.	Overcast	—	" " "	4 steam trawlers with us.
6.30 p.m.	Midnight	5½	Nil	Moderate	E. by S. 3.	Overcast	Net slightly torn	" " "	2 steam trawlers with us.
1 a.m.	7 a.m.	6	Nil	Smooth	E. by S. 3.	Overcast	—	" " "	1 steam trawler with us; several steamers passed south west- wards.
7.30 a.m.	1 p.m.	5½	Nil	Moderate	S.E. 3	Overcast	—	" " "	3 steam trawlers with us.
1.30 p.m.	7.30 p.m.	6	Nil	Smooth	S. 2	Overcast	—	" " "	2 steam trawlers with us.
(6th) 8 p.m.	(7th) 1.30 a.m.	5½	Nil	Smooth	S.W. 3	Overcast and cloudy.	—	" " "	2 steam trawlers with us.
2 a.m.	7.30 a.m.	5½	Nil	Rough	S.W. by S. 5.	Overcast, dull.	—	" " "	2 steam trawlers with us.
11.45 a.m.	3.45 p.m.	4	1 hour ebb; 3 hours flood.	Moderate	S.W. by S. 3.	Overcast and thick fog.	—	" " "	S.S. Garnet of Yar- mouth, S.S. Agami of Grimsby with us.
p.m.	9 p.m.	5	2 hours flood; 3 hours ebb.	Smooth	S. 2	Dull, overcast, rainy.	—	" " "	4 steam trawlers with us.
9.30 p.m.	..	..	Third hour ebb.	..	..	..	Net "all to pieces"	" " "	Came fast immedi- ately; hove up again.
7 a.m.	11.45 a.m.	4¾	Last 4½ hours flood.	Smooth	Variable 2.	Cloudy	—	" " "	S.S. Majestic and S.S. Gardenia of Grimsby and several other steam trawlers with us.
3 p.m.	5 p.m.	2	From 3 to 5 hours ebb.	Smooth	S.E. by E. 2.	Cloudy, hazy.	—	<i>Flustra foliacea</i> <i>Sabellaria spinulosa</i> . <i>Hyas araneus</i> . <i>Cottus</i> sp.	J. O. Borley, G. T. Atkinson.
9 a.m.	9.30 a.m.	½	From 1½ to 2 hours ebb.	Smooth	S.S.W. 2.	Fine, hazy	Net very badly torn.	Practically nothing caught	9.30 a.m. came fast to wreck, hauled, broke brass socket of port brake of winch.
9.15 a.m.	12.15 p.m.	3	First 3 hours flood.	Moderate	S.E. by S. 4-6.	Dull, rainy	Small hole in square and in small-meshed net over cod-end.	Hydrallmania falcata v.c., Sertu- laria abietina v.c., Actinoloba dianthus v.c. <i>Buccinum undatum</i> spawn v.c. <i>Asterias rubens</i> f.c. <i>Solea lutea</i> f.c.	W. Wallace, D. J. Matthews. Cod end covered above with small- meshed net.
1.45 p.m.	2.45 p.m.	1	Third to fourth hours flood.	Rough	S.E. 6	Dull, rainy	Trawl very badly torn.	Hydrallmania falcata v.c., Sertu- laria abietina v.c., <i>Actinoloba dian- thus</i> c. <i>Lepralia foliacea</i> c. <i>Buccinum undatum</i> and spawn f.c. <i>Asterias rubens</i> f.c., <i>Echinus esculentus</i> f.c.	Had a pull out hauled.
11.30 a.m.	3.30 p.m.	4	1 hour before low water at Dover, and 3 hours before high water at Dover.	Smooth	Calm	Overcast	Net parted when hoisting on board; lost cod end.	Nothing reached the deck, but Asterias rubens appeared very common.	

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot-ing.	Tow-ing.	Haul-ing.	Shoot-ing.	Tow-ing.	Haul-ing.
XXVII	4	Feb.	27	O 159	Inside Eastern Scruff	50° 36' N., 2° 47½' W.	S.W. ¾ S. 2¼ miles S.W. by W. ¾ W. 4½ miles.	50° 30¼' N., 2° 53½' W.	17	20	23	f.s.	..	spk.s.
"	6	Mar.	1	B 106	North Hinder ..	51° 46' N., 2° 43½' E.	S. by E. ¾ E. 2¼ miles	51° 44¼' N., 2° 45' E.	21	..	20	f.s.	..	f.s.
XXVIII	2	"	10	B (c) 107	Lynn Deep	52° 59½' N., 0° 21' E.	W.S.W. 2½ miles	52° 58¼' N., 0° 19' E.	16	..	12	m. & ross.	..	m. & ross.
"	4	"	"	B 108	" "	52° 57¾' N., 0° 18½' E.	S.W. by W. ¼ W. 2 miles	52° 56½' N., 0° 16¼' E.	12	..	10	s.	..	m.
"	5	"	11	O 160	East part of South West Patch of Dogger.	54° 26½' N., 2° 25¼' E.	N.E. ¼ N. 6½ miles E. 6½ miles.	54° 33¼' N., 2° 40' E.	9	10	13	f.s.	f.s.	f.s.
"	7	"	"	O 161	Dogger, East of South West Patch.	54° 32¼' N., 2° 40¼' E.	E.S.E. 5½ miles N.E. 6 miles. S.W. by S. 5½ miles.	54° 32¼' N., 2° 53' E.	14	16	17	f.s. & sh.	f.s.	f.s.
"	9	"	11-12	O 162	" "	54° 32¼' N., 2° 53' E.	S.W. 5 miles E.S.E. 5 miles. N. 5 miles.	54° 32' N., 2° 55¼' E.	17	16	16½	f.s.	f.s.	f.s.
"	10	"	12	O 163	" "	54° 32' N., 2° 55¼' E.	N.W. by W. 6 miles	54° 33' N., 2° 44¼' E.	16½	..	12½	f.s.	..	f.s.
"	11	"	"	O 164	Eastern Shoal of Dogger Bank.	54° 33' N., 2° 44¼' E.	N.W. ¾ W. 9¾ miles	54° 39' N., 2° 20' E.	13	11	10½	f.s.	f.s.	f.s.
"	12	"	"	O 165	West of Eastern Shoal of Dogger Bank.	54° 39' N., 2° 20' E.	N.W. by N. ¾ N. 5½ miles	54° 42¼' N., 2° 14½' E.	10½	..	10½	f.l.s.	..	f.l.s.
"	14	"	"	O 166	North West of Eastern Shoal of Dogger Bank.	54° 42¼' N., 2° 14½' E.	E.N.E. 10 miles N. by E. 6 miles.	54° 55¼' N., 2° 29¾' E.	10½	12	13½	f.l.s.	f.s.	f.s.
"	15	"	14	B 109	Leman Ground ..	53° 19' N., 2° 42¾' E.	W. ¾ N. 9¾ miles	53° 17¾' N., 2° 26¾' E.	16	16	14½	f.d.s.	f.d.s.	f.s.
"	17	"	"	B 110	" "	53° 17¾' N., 2° 26' E.	N.E. ¾ E. 13½ miles	53° 28¾' N., 2° 40' E.	14½	15	16	f.s.	f.d.s.	f.d.s.
"	18	"	"	B 111	" "	53° 28¾' N., 2° 40' E.	S.E. by S. ½ S. 11¾ miles	53° 20¼' N., 2° 53¾' E.	16	..	16	f.d.s.	..	f.d.s.
"	19	"	15	B 112	East of Lemman ..	53° 20¾' N., 3° 2' E.	S. by E. ¾ E. 8 miles	53° 14¾' N., 3° 10' E.	16	..	16	f.d.s.	..	f.d.s.
"	21	"	"	B 113	Broad Fourteens ..	52° 45¼' N., 3° 48¼' E.	S.E. ¾ S. 15½ miles	52° 36' N., 4° 8¾' E.	16	..	12½	f.g.s.	..	f.g.s.
"	23	"	15-16	B 114	West of Ymuiden ..	52° 35¼' N., 4° 8¾' E.	S. by W. ¾ W. 9½ miles. E. ¼ N. 8½ miles.	52° 29' N., 4° 20½' E.	12½	11	10	f.g.s.	f.g.s.	f.g.s.
"	24	"	16	B 115	Off Ymuiden	52° 29' N., 4° 20½' E.	E. ¼ S. 4 miles. S. by W. ¾ W. 2¼ miles N.W. ¾ W. 2½ miles.	52° 29' N., 4° 22¾' E.	10	9½	8½	f.s.	f.s.	f.s.
"	26	"	"	B 116	" "	52° 28¾' N., 4° 22¾' E.	N.E. ¾ N. 7½ miles	52° 35½' N., 4° 28' E.	8½	..	9	f.s.	..	f.s.
"	27	"	"	B 117	Broad Fourteens ..	52° 35¾' N., 4° 3¼' E.	N. ¾ E. 5¾ miles	52° 41¼' N., 4° 1¾' E.	14	..	14	f.s.	..	f.s.
XXIX	1	"	23	O 167	Off Ymuiden	52° 30' N., 4° 17' E.	S.E. by E. ¼ E. 3¼ miles	52° 29' N., 4° 22¼' E.	10½	..	9½	f.g.s.	..	f.g.s.
"	2	"	"	O 168	Off Egmond	52° 29' N., 4° 22½' E.	N.E. by N. ¾ N. 6¼ miles	52° 36' N., 4° 25' E.	9½	..	9	f.g.s.	..	f.s.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun. Rain, &c.			
5 p.m.	7.30 p.m.	2½	2½ hours before high water, to high water at Dover.	Smooth	W. 1-2	Overcast	—	<i>Actinoloba dianthus</i> f.c. <i>Aphrodite aculeata</i> . <i>Pecten opercularis</i> v.c, <i>Maia squinado</i> f.c., <i>Asterias rubens</i> v.c.	
9.15 p.m.	11.15 p.m.	2	From 4 to 6 hours flood.	Rough	E.N.E. 6.	Overcast	Net very badly torn.	Nothing taken	
7.15 a.m.	8.15 a.m.	1	First hours flood.	Rough	N.E. by N. 5.	Cloudy, with showers.	Small meshed net over cod-end torn to pieces.	<i>Hydrallmania falcata</i> f.c., <i>Sertularia abietina</i> f.c., <i>Antennularia antennina</i> , <i>Flustra foliacea</i> f.c. <i>Sabellaria spinulosa</i> f.c. <i>Modiola modiolus</i> f.c. <i>Hyas araneus</i> c. <i>Asterias rubens</i> . <i>Cottus scorpius</i> .	W. Wallace, R.A. Todd, G. T. Atkinson.
8.45 a.m.	9.45 a.m.	1	Third hours flood.	Moderate	N.E. by N. 5.	Cloudy, fine.	—	As last station.	
7.30 a.m.	1.30 p.m.	6	Nil	Moderate	N.N.E. 3-4.	Cloudy	Belly slightly torn.	<i>Obelia longissima</i> v.c. <i>Halecium halecinum</i> , <i>Alcyonidium gelatinosum</i> c. <i>Buccinum undatum</i> spawn c. <i>Eupagurus bernhardus</i> . <i>Asterias rubens</i> f.c., <i>Echinocardium cordatum</i> .	
2.45 p.m.	9.45 p.m.	7	Nil	Smooth	N. 1-2	Light Clouds.	—	<i>Obelia longissima</i> v. abundant <i>Asterias rubens</i> c.	1 steam trawler with us.
(11th) 11 p.m.	(12th) 5.15 a.m.	6½	Nil	Smooth	W. 1-2	Cloudy	—	<i>Obelia longissima</i> v.c. <i>Alcyonidium gelatinosum</i> c. <i>Buccinum undatum</i> spawn c.	1 steam trawler with us.
6 a.m.	8.30 a.m.	2½	Nil	Smooth	W.S.W. 2	Overcast	Net slightly torn.	<i>Alcyonidium gelatinosum</i> v.c. <i>Buccinum undatum</i> spawn f.c. <i>Asterias rubens</i> c.	2 steam trawlers with us.
9.20 a.m.	3 p.m.	5½	Nil	Moderate	S.W. 4	Overcast	Trawl slightly torn.	<i>Obelia longissima</i> v. abundant, <i>Cop- pina arcta</i> , <i>Alcyonidium gelatinosum</i> v.c. <i>Buccinum undatum</i> and spawn c., <i>Natica catena</i> spawn c., <i>Lacuna crassior</i> and spawn. <i>Asterias rubens</i> c.	
3.35 p.m.	5.35 p.m.	2	Nil	Moderate	S.W. 4	Overcast	—	<i>Alcyonidium gelatinosum</i> c. <i>Buccinum undatum</i> spawn.	1 steam trawler with us.
6 p.m.	Midnight	6	Nil	Rough	S.S.W. 7	Overcast	Net badly torn.	<i>Obelia longissima</i> , dead f.c., <i>Alcyonidium gelatinosum</i> , v. abun- dant, drifted. <i>Fusus antiquus</i> , <i>Buccinum undatum</i> and spawn.	2 steam trawlers with us.
7 a.m.	Noon	5	Last hours flood; 4 hours ebb.	Smooth	S.W. 4	Overcast, dull, hazy.	—	<i>Asterias rubens</i> f.c., <i>Echinocardium</i> sp. <i>Solea lutea</i> c.	
1 p.m.	6 p.m.	5	3 hours ebb; 2 hours flood.	Smooth	Variable 4-1.	Dull, thick, rainy.	—	<i>Actinoloba dianthus</i> on oyster shell. <i>Asterias rubens</i> . <i>Solea lutea</i> c.	
6.30 p.m.	10.30 p.m.	4	3 hours flood; 1 hours ebb.	Rough	N.N.E. 7	Dull, heavy rain.	—	<i>Eupagurus bernhardus</i> . <i>Asterias rubens</i> .	
6.45 a.m.	9 a.m.	2½	Last 2 hours flood.	Moderate	N.N.E. 4	Fine, cloudy.	—	<i>Asterias rubens</i> f.c., <i>Ophiura ciliaris</i> .	2 Dutch sailing traw- lers with us.
3 p.m.	9 p.m.	6	3 hours ebb; 3 hours flood.	Moderate	N.N.E. 1	Fine, cloudy.	—	<i>Eupagurus bernhardus</i>	"Moorlog" present, Several Dutch fishing craft about us.
(15th) 9.30 p.m.	(16th) 4.30 a.m.	7	2 hours flood; 5 hours ebb.	Moderate swell.	Calm	Fine, light clouds.	—	<i>Eupagurus bernhardus</i> . <i>Asterias rubens</i> f.c.	
5 a.m.	10.45 a.m.	5½	Last hours ebb; 5 hours flood.	Smooth	Variable. 1	Fine, cloudy, hazy.	—	<i>Portunus holsatus</i> . <i>Asterias rubens</i> , <i>Echinocardium cordatum</i> . <i>Cottus scorpius</i> c.	
11 a.m.	2 p.m.	3	3 hours ebb.	Smooth	Variable. 1	Fine, hazy	—	<i>Crangon vulgaris</i> , <i>Eupagurus bernhardus</i> . <i>Echinocardium cordatum</i> . <i>Cottus scorpius</i> f.c.	
4 p.m.	6.15 p.m.	2½	2 last hours ebb.	Smooth	E. 3	Fine, hazy	—	<i>Eupagurus bernhardus</i>	"Moorlog" present.
6 a.m.	7.30 a.m.	1½	4½ hours ebb.	Smooth	NN.W. 2	Fine, hazy	—	Not recorded	R. A. Todd, G. T. At- kinson, C. W. Dance.
8 a.m.	10 a.m.	2	2 last hours ebb.	Smooth	W.N.W. 2	Fine, hazy	—	Not recorded.	

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot-ing.	Towing.	Haul-ing.	Shoot-ing.	Towing.	Haul-ing.
XXIX	3	Mar.	22	O 169	Off Egmond ..	52° 36' N., 4° 25' E.	S.W. $\frac{1}{2}$ W. 6 $\frac{1}{2}$ miles	52° 30 $\frac{1}{2}$ N., 4° 19 $\frac{1}{2}$ E.	9	..	9	f.s.	..	f.s.
"	4	"	"	O 170	West of Ymuiden ..	52° 30 $\frac{1}{2}$ N., 4° 19 $\frac{1}{2}$ E.	W. by S. $\frac{1}{2}$ S. 5 $\frac{1}{2}$ miles	52° 27 $\frac{1}{2}$ N., 4° 11 $\frac{1}{2}$ E.	9	..	11	f.s.	..	f.s.
"	5	"	"	O 171	"	52° 27 $\frac{1}{2}$ N., 4° 11 $\frac{1}{2}$ E.	W. by N. $\frac{1}{4}$ N. 4 $\frac{1}{2}$ miles	52° 27 $\frac{1}{2}$ N., 4° 5 $\frac{1}{2}$ E.	11	..	11 $\frac{1}{2}$	f.s.	..	f.s.
"	7	"	24	O 172	North East of South West Patch of Dogger.	54° 33' N., 2° 37' E.	W. 5 miles N.E. 7 $\frac{1}{2}$ miles.	51° 38 $\frac{1}{2}$ N., 2° 35 $\frac{1}{2}$ E.	11	9	11	f.s. & sh.	f.s.	f.s. & sh.
"	8	"	"	O 173	Eastern Shoal of Dogger Bank.	54° 38 $\frac{1}{2}$ N., 2° 35 $\frac{1}{2}$ E.	E. $\frac{1}{4}$ S. 7 $\frac{1}{2}$ miles S.S.E. 6 $\frac{1}{2}$ miles.	54° 35' N., 2° 53 $\frac{1}{2}$ E.	11	..	14 $\frac{1}{2}$	f.s. & sh.	..	f.s.
"	9	"	"	O 174	South West of East Shoal of Dogger.	54° 35' N., 2° 53 $\frac{1}{2}$ E.	S.E. by S. 4 miles S.W. 3 $\frac{1}{2}$ miles.	54° 29 $\frac{1}{2}$ N., 2° 55 $\frac{1}{2}$ E.	14 $\frac{1}{2}$	..	15	f.s.	..	f.s.
"	10	"	26	O 175	Lower Scruff ..	55° 13 $\frac{1}{2}$ N., 4° 31' E.	S.S.W. 5 miles N.N.W. 7 $\frac{1}{2}$ miles.	55° 14' N., 4° 21 $\frac{1}{2}$ E.	24	..	24	f.s.	..	f.s.
"	12	"	26-27	O 176	West part of Horn Reef Outer.	55° 31 $\frac{1}{2}$ N., 6° 0 $\frac{1}{2}$ E.	S. by E. 6 $\frac{1}{2}$ miles N. by E. 2 $\frac{1}{2}$ miles. S.E. by S. 6 miles.	55° 24 $\frac{1}{2}$ N., 6° 26' E.	24	23	22	f.s.	f.s.	f.s.
"	13	"	27	O 177	Horn Reef Outer ..	55° 24 $\frac{1}{2}$ N., 6° 26' E.	N. by E. 7 $\frac{1}{2}$ miles N.E. 6 miles. S.W. 3 $\frac{1}{2}$ miles.	55° 33 $\frac{1}{2}$ N., 6° 28' E.	22	23	23	f.s.	f.s.	f.s.
"	14	"	"	O 178	"	55° 33 $\frac{1}{2}$ N., 6° 28' E.	N.E. by E. $\frac{1}{2}$ E. 6 $\frac{1}{2}$ miles S. 12 $\frac{1}{2}$ miles.	55° 26' N., 6° 40' E.	23	22	22	f.s.	f.s.	f.s. & ooze.
"	15	"	"	O 179	"	55° 26' N., 6° 40' E.	N. $\frac{1}{4}$ W. 15 miles S. by W. 3 $\frac{1}{2}$ miles.	55° 36 $\frac{1}{2}$ N., 6° 31 $\frac{1}{2}$ E.	22	23	23	f.s. & ooze.	f.s.	f.s.
"	16	"	28	O 180	"	55° 36 $\frac{1}{2}$ N., 6° 31 $\frac{1}{2}$ E.	S. 2 miles N. by E. $\frac{1}{4}$ E. 5 miles. S. $\frac{1}{2}$ W. 10 miles.	55° 30 $\frac{1}{2}$ N., 6° 35' E.	23	23	22	f.s.	f.s.	f.s.
"	17	"	"	O 181	"	55° 30 $\frac{1}{2}$ N., 6° 35' E.	N. $\frac{3}{8}$ E. 11 $\frac{1}{2}$ miles N.E. 1 $\frac{1}{2}$ miles. N. by E. $\frac{1}{2}$ E. 5 miles.	55° 48' N., 6° 34' E.	22	22	22 $\frac{1}{2}$	f.s.	f.s. & ooze.	f.s. & ooze.
"	18	"	"	O 182	North West of Horn Reef.	55° 48' N., 6° 34' E.	S. by E. 5 miles N. by E. 5 miles. S. by W. 5 miles.	55° 43 $\frac{1}{2}$ N., 6° 37 $\frac{1}{2}$ E.	22 $\frac{1}{2}$	22	21	f.s. & ooze.	f.s. & ooze.	f.s. & ooze.
"	19	"	29-30	O 183	Dogger Bank, East of South West Patch.	54° 39' N., 2° 40' E.	S.S.W. 12 $\frac{1}{2}$ miles	54° 27 $\frac{1}{2}$ N., 2° 35' E.	10 $\frac{1}{2}$	10	11	f.s.	f.s.	f.s.
"	20	"	30	O 184	Dogger Bank, East of South West Patch.	54° 27 $\frac{1}{2}$ N., 2° 35' E.	S. by W. 2 $\frac{1}{2}$ miles S.E. by E. 1 $\frac{1}{2}$ miles. N.E. by N. 2 $\frac{1}{2}$ miles. S. by W. 5 miles. N.E. by N. 2 $\frac{1}{2}$ miles.	54° 24' N., 2° 41 $\frac{1}{2}$ E.	11	12	14	f.s.	f.s.	f.s.
"	21	"	"	O 185	Dogger Bank, South East of South West Patch.	54° 24' N., 2° 41 $\frac{1}{2}$ E.	N. by W. 6 $\frac{1}{2}$ miles S.W. by W. $\frac{1}{2}$ W. 1 $\frac{1}{2}$ miles. S.W. $\frac{1}{2}$ S. 5 miles.	54° 25' N., 2° 31 $\frac{1}{2}$ E.	14	10	10	f.s.	f.s.	f.s.
XXX	1	Apr.	8	B 118	Inside Protector Overfall.	53° 21' N., 0° 23 $\frac{1}{2}$ E.	N. by E. 2 miles S.S.W. $\frac{1}{2}$ mile.	53° 22 $\frac{1}{2}$ N., 0° 23 $\frac{1}{2}$ E.	8 $\frac{1}{2}$	..	7 $\frac{1}{2}$	spk.s.	..	c.s.
"	"	"	9	B 119	Off Trusthorpe ..	53° 19 $\frac{1}{2}$ N., 0° 24 $\frac{1}{2}$ E.	N. $\frac{1}{4}$ W. 2 $\frac{1}{2}$ miles S. 2 $\frac{1}{2}$ miles.	53° 20' N., 0° 24' E.	7 $\frac{1}{2}$	..	7 $\frac{1}{2}$	f.s.	..	c.s.
"	4	"	"	B 120	Off Mablethorpe ..	53° 19 $\frac{1}{2}$ N., 0° 24' E.	N. by W. 3 miles	53° 22 $\frac{1}{2}$ N., 0° 21 $\frac{1}{2}$ E.	7 $\frac{1}{2}$	..	8	grv.	..	d.s.
"	6	"	"	B 121	"	53° 21 $\frac{1}{2}$ N., 0° 21 $\frac{1}{2}$ E.	S. 3 miles N. 3 $\frac{1}{2}$ miles. S. 1 $\frac{1}{2}$ miles.	53° 22 $\frac{1}{2}$ N., 0° 23 $\frac{1}{2}$ E.	8	8	8 $\frac{1}{2}$	d.s. & sh.	..	d.s. & sh.
"	10	"	11	B 122	Bridlington Bay ..	54° 0 $\frac{1}{2}$ N., 0° 8' W.	S.S.W. 3 miles	53° 57' N., 0° 8' W.	5 $\frac{1}{2}$	..	7 $\frac{1}{2}$	f.g.s.	..	grv.
"	11	"	"	B 123	"	54° 1 $\frac{1}{2}$ N., 0° 9' W.	S. by W. $\frac{1}{4}$ W 2 $\frac{1}{2}$ miles	53° 58 $\frac{1}{2}$ N., 0° 9 $\frac{1}{2}$ W.	5 $\frac{1}{2}$	..	7 $\frac{1}{2}$	d.s.	..	d.s. & grv.
"	16	"	12	B 124	"	54° 2' N., 0° 10 $\frac{1}{2}$ W.	S.S.W. 1 $\frac{1}{2}$ miles N. by E. 1 $\frac{1}{2}$ miles.	54° 1 $\frac{1}{2}$ N., 0° 10 $\frac{1}{2}$ W.	5	5 $\frac{1}{2}$	5	f.g.s.	..	f.g.s.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
10.15 a.m.	12.15 p.m.	2	2 hours flood.	Smooth	W.S.W. 4	Overcast, hazy	—	Not recorded.	
12.30 p.m.	2.30 p.m.	2	From 2½ hours flood to 4½ hours flood.	Smooth	W.S.W. 4	Overcast, hazy.	—	Not recorded.	
2.45 p.m.	4.30 p.m.	1½	Last 1½ hours flood.	Moderate	W.S.W. 5	Overcast, dull.	—	Not recorded.	
4 a.m.	9 a.m.	5	Nil	Moderate	N.E. 4	Fine	Had turn in fore quarter.	<i>Obelia longissima</i> c., <i>Sertularia abietina</i> <i>Buccinum undatum</i> spawn c., <i>Natica catena</i> spawn c. <i>Cyclopterus lumpus</i> .	6 steam trawlers working with us.
9.30 a.m.	2.30 p.m.	5	Nil	Moderate	N.E. by E. 5.	Cloudy	—	Alcyonidium gelatinosum v.c.	4 steam trawlers working with us.
3 p.m.	6 p.m.	3	Nil	Rough	E. by S.	Heavy clouds and showers.	—	<i>Obelia longissima</i> dead c. Alcyonidium gelatinosum v.c. <i>Buccinum undatum</i> spawn c.	2 steam trawlers with us.
4 a.m.	9 a.m.	5	Nil	Moderate	E. by S. 4	Overcast	—	<i>Alcyonium digitatum</i> c. <i>Buccinum undatum</i> . <i>Asciidiella virginea</i> c.	
(26th) 7 a.m.	(27th) 1 a.m.	6	Nil	Moderate	E. 5	Cloudy	—	<i>Actinoloba dianthus</i> , <i>Alcyonium digitatum</i> .. <i>Eupagurus bernhardus</i> . <i>Fusus antiquus</i> .	With Red Cross fleet.
1.30 a.m.	7.30 a.m.	6	Nil	Moderate	E. 5	Cloudy	—	<i>Alcyonium digitatum</i> on <i>Fusus</i> c., <i>Actinoloba dianthus</i> . <i>Fusus antiquus</i> , <i>Ostrea edulis</i> . <i>Eupagurus bernhardus</i> c <i>Asterias rubens</i> .	With Red Cross fleet.
8 a.m.	3.30 p.m.	7½	Nil	Moderate	E. by N. 3	Fine, cloudy.	—	<i>Actinoloba dianthus</i> , large on oyster shell .. <i>Ostrea edulis</i> , <i>Fusus antiquus</i> . <i>Eupagurus bernhardus</i> . <i>Asterias rubens</i> .	2 steam trawlers with us.
4 p.m.	11.30 p.m.	7½	Nil	Moderate swell.	E.S.E. 3	Fine, cloudy.	—	Alcyonium digitatum v.c. <i>Fusus antiquus</i> f.c. <i>Eupagurus bernhardus</i> . <i>Asterias rubens</i> , small, c.	With Red Cross fleet.
12.5 a.m.	7 a.m.	6½	Nil	Moderate	S.E. 4	Fine, cloudy.	—	<i>Alcyonium digitatum</i> c., <i>Gemellaria loricata</i> c.. <i>Fusus antiquus</i> c. <i>Eupagurus bernhardus</i> . <i>Asterias rubens</i> , small, c.	4 steam trawlers with us.
7.30 a.m.	3 p.m.	7½	Nil	Moderate	S.E. 3	Cloudy, hazy.	—	<i>Alcyonium digitatum</i> c. <i>Dendronotus arborescens</i> c., <i>Buccinum undatum</i> <i>Fusus antiquus</i> , <i>Ostrea edulis</i> . <i>Asterias rubens</i> .	With Red Cross fleet.
3.15 p.m.	9.45 p.m.	6½	Nil	Rough	S. 6	Cloudy	—	Not recorded	With Red Cross fleet.
(29th) 9 p.m.	(30th) 3 a.m.	6	6 hours ebb.	Moderate	W. 4	Cloudy, hazy.	—	Not recorded	2 steam trawlers with us.
3.45 a.m.	9.30 a.m.	5½	6 hours flood.	Moderate	W. 4	Cloudy.	—	<i>Obelia longissima</i> c., <i>Sertularia rosacea</i> f.c. Alcyonidium gelatinosum v.c. <i>Buccinum undatum</i> , <i>Laena crassior</i> . <i>Galathea intermedia</i> c., <i>Cancer pagurus</i> . <i>Asterias rubens</i> , large, c.	3 steam trawlers with us.
9.45 a.m.	2.30 p.m.	4½	4½ hours ebb.	Moderate	W. 4	Cloudy.	—	Not recorded	4 steam trawlers with us.
4.30 p.m.	5.30 p.m.	1	Fourth hour ebb.	Smooth	W. 3	Overcast, very hazy.	Square torn ..	Flustra foliacea , masses <i>Buccinum undatum</i> spawn. <i>Asterias rubens</i> .	J. O. Borley, J. Potter, G. T. Atkinson. 1 steam trawler with us.
6.45 a.m.	8.45 a.m.	2	2 last hours ebb.	Moderate	N.W. by W. 7.	Heavy clouds.	—	<i>Hydrallmania falcata</i> c. Flustra foliacea , masses. <i>Buccinum undatum</i> spawn.	1 steam trawler (Fitztonia G. Y.) with us.
9.10 a.m.	11.10 a.m.	1	Third to fourth hour flood.	Moderate	N.W. by W. 7.	Cloudy, hazy.	—	Sertularia abietina abundant <i>Flustra foliacea</i> c. <i>Buccinum undatum</i> spawn. <i>Solaster papposus</i> .	1 steam trawler with us.
11.45 a.m.	3.45 p.m.	4	Last 1½ hours flood; first 2½ hours ebb.	Moderate	W.N.W. 6-9.	Heavy squalls.	—	Hydrallmania falcata and Sertularia abietina f.c. <i>Flustra foliacea</i> c. <i>Buccinum undatum</i> spawn. <i>Solaster papposus</i> .	2 steam trawlers with us.
9.30 a.m.	10.45 a.m.	1½	2 first hours flood.	Smooth	N.W. by N. 5.	Fine, cloudy.	Fore wing badly torn.	<i>Portunus holsatus</i> .	
12.30 p.m.	1.45 p.m.	1½	¾ to 4½ hours flood.	Swell from north-eastwards.	N.W. by N. 4.	Fine, cloudy.	Ground rope parted, and net badly torn.	<i>Asciidiella virginea</i> c.	
6.45 a.m.	7.45 a.m.	1	Second to third hour ebb.	Smooth	S.E. 2	Overcast.	—	<i>Flustra foliacea</i> c.	

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot- ing.	Towing.	Haul- ing.	Shoot- ing.	Towing.	Haul- ing.
XXX	19	Apr.	14	O 186	North of Terschelling, L.V.	53° 43' N., 4° 26' E.	W.S.W. 3 $\frac{1}{2}$ miles N.E. by E. $\frac{1}{2}$ E. 8 $\frac{1}{2}$ miles.	53° 47' N., 4° 58' E.	21	20	20	m.	m.	m.
"	24	"	"	O 187	" "	53° 46' N., 4° 52' E.	S.W. 11 $\frac{1}{2}$ miles	53° 39' N., 4° 38' E.	20	..	19	m.	..	s. & m.
"	31	"	15	B 125	Texel Ground ..	53° 0' N., 4° 18' E.	W. by S. $\frac{1}{2}$ S. 7 $\frac{1}{2}$ miles	52° 55' N., 4° 7' E.	15	..	14	f.s.	..	f.s.
"	39	"	"	B 126	North East part of Brown Ridges.	52° 53' N., 3° 45' E.	N.N.E. 6 $\frac{1}{2}$ miles	52° 59' N., 3° 46' E.	15	..	15	f.s.	..	f.s.
XXXI	1	May	11	B 127	Off Norderney ..	53° 50' N., 7° 7' E.	E. by N. 3 $\frac{1}{2}$ miles W. by N. $\frac{1}{2}$ N. 3 miles.	53° 51' N., 7° 7' E.	11	12	12	f.s.	..	f.s.
"	2	"	12	B 128	North of Norderney	54° 0' N., 7° 7' E.	E. by S. $\frac{1}{2}$ S. 9 $\frac{1}{2}$ miles	54° 0' N., 7° 24' E.	15 $\frac{1}{2}$	..	17	f.d.s.	..	f.d.s.
"	3	"	"	B 129	South West of Heligoland.	54° 0' N., 7° 39' E.	S.E. $\frac{1}{2}$ E. 4 $\frac{1}{2}$ miles	53° 58' N., 7° 46' E.	19	..	18 $\frac{1}{2}$	s. & ooze.	..	s. & ooze.
"	4	"	"	B 130	Off Weser L.V. ..	53° 58' N., 7° 46' E.	S. by E. $\frac{1}{2}$ E. 2 $\frac{1}{2}$ miles S.W. $\frac{1}{2}$ S. 2 $\frac{1}{2}$ miles.	53° 54' N., 7° 46' E.	18 $\frac{1}{2}$	..	11	s. & ooze.	..	f.d.s.
"	6	"	"	B 131	Between Heligoland and Amrum.	54° 29' N., 7° 50' E.	N.E. $\frac{1}{2}$ N. 3 $\frac{1}{2}$ miles	54° 31' N., 7° 53' E.	11	..	10	f.s. & ooze.	..	f.s.
"	7	"	13	O 188	Sylt Inner	54° 53' N., 8° 7' E.	N.E. $\frac{1}{2}$ E. 4 $\frac{1}{2}$ miles	54° 56' N., 8° 11' E.	7	7	7	f.s.	..	f.s.
"	9	"	"	B 132	South West of Fanö	55° 15' N., 8° 14' E.	N. by E. $\frac{1}{2}$ E. 5 $\frac{1}{2}$ miles	55° 20' N., 8° 15' E.	7 $\frac{1}{2}$	..	7 $\frac{1}{2}$	f.s. & ooze.	..	f.s. & ooze.
"	10	"	"	B 133	South East of Vyl L.V.	56° 19' N., 7° 54' E.	N.W. 3 miles N.N.E. 1 mile.	55° 22' N., 7° 49' E.	11	..	11	f.s.	..	f.s.
"	12	"	17	B 134	Norman's Deep ..	55° 34' N., 7° 49' E.	N.W. 4 miles	55° 36' N., 7° 42' E.	11 $\frac{1}{2}$	..	7	f.d.s.	..	f.d.s.
"	14	"	"	B 135	Horn Reef Outer ..	55° 35' N., 6° 42' E.	W. by N. $\frac{1}{2}$ N. 3 $\frac{1}{2}$ miles	55° 35' N., 6° 37' E.	19	..	21	f.l.s.	..	f.l.s.
"	16	"	18	B 136	West part of Horn Reef Outer.	55° 33' N., 6° 51' E.	W. by S. 2 $\frac{1}{2}$ miles N.E. $\frac{1}{2}$ E. 2 $\frac{1}{2}$ miles.	55° 33' N., 6° 4' E.	26 $\frac{1}{2}$	..	27	f.s. & ooze.	..	f.s. & m.
"	18	"	"	B 137	" "	55° 33' N., 6° 4' E.	E. by S. 5 $\frac{1}{2}$ miles	55° 33' N., 6° 14' E.	27	..	26	f.s. & m.	..	f.s. & m.
"	19	"	21-22	B 138	Sylt Inner	55° 24' N., 8° 6' E.	S.S.W. 4 miles N.N.E. 2 miles.	54° 59' N., 8° 5' E.	7 $\frac{1}{2}$	..	7 $\frac{1}{2}$	f.s.	..	f.s.
"	20	"	23	B 139	Sylt Outer	54° 52' N., 7° 46' E.	N.W. $\frac{3}{4}$ W. 4 miles	54° 53' N., 7° 40' E.	10	10 $\frac{1}{2}$	11 $\frac{1}{2}$	f.s.	f.s.	f.s.
"	22	"	24	B 140	Norman's Deep ..	55° 32' N., 7° 52' E.	N.W. by N. 3 miles	55° 34' N., 7° 48' E.	12	15	13	f.s. & m.	f.s. & m.	f.s. & m.
"	23	"	"	B 141	" "	55° 35' N., 7° 47' E.	N.N.W. 3 miles	55° 38' N., 7° 43' E.	9	..	6 $\frac{1}{2}$	f.s. & m.	..	f.d.s.
"	25	"	25	B 142	Dogger Bank, Northern slope of Swashway.	55° 29' N., 4° 23' E.	S.W. 2 miles W. by S. $\frac{1}{2}$ S. 12 miles.	55° 23' N., 4° 5' E.	16 $\frac{1}{2}$	18	21	f.l.g.s.	f.s.	f.g.s.
"	30	"	26	B 143	Dogger Bank, East of South West Patch.	54° 37' N., 2° 39' E.	S. $\frac{1}{2}$ W. 11 miles	54° 26' N., 2° 41' E.	12	11	12	f.g.s.	f.g.s.	f.d.s.
"	42	"	"	B 144	Dogger Bank, South of South West Patch.	54° 19' N., 2° 22' E.	S.W. $\frac{1}{4}$ S. 8 miles	54° 11' N., 2° 16' E.	19 $\frac{1}{2}$	..	21 $\frac{1}{2}$	f.s.	..	f.s.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
4.15 a.m.	9.15 a.m.	5	6 hours flood.	Smooth	S. 4	Fine, hazy.	—	<i>Actinoloba dianthus</i> Asterias rubens v.c., <i>Astropecten irregularis</i> c., <i>Echinocardium cordatum</i> c., <i>Ophiura ciliaris</i> c.	1 steam trawler with us.
11.20 a.m.	4.20 p.m.	5	Last hour flood : 4 hours ebb.	Smooth	S.E. 4	Cloudy	—	<i>Buccinum undatum</i> spawn Asterias rubens v.c., <i>Astropecten irregularis</i> c.	2 steam trawlers with us.
7 a.m.	10 a.m.	3	First 3 hours flood.	Smooth	S. 3	Fine, very hazy.	—	Hydractinia echinatum v.c. <i>Natica monilifera</i> spawn, <i>Buccinum undatum</i> spawn. <i>Eupagurus bernhardus</i> c. <i>Astropecten irregularis</i> f.c.	5 steam trawlers and several Dutch fishing craft with us.
5.15 p.m.	8.15 p.m.	3	2 last hours ebb : 1 hour flood.	Moderately rough.	W. 5	Hazy, overcast, foggy.	—	<i>Alcyonium digitatum</i> , <i>Obelia</i> (dead). <i>Paratyelus swammerdami</i> c.	
8.15 p.m.	11.15 p.m.	3	1½ hours flood : 1½ hours ebb.	Very rough	N.N.W. 4-6.	Cloudy, showery.	—	Very little taken	W. Garstang, J. O. Borley, G. T. Atkinson.
4.15 a.m.	7.15 a.m.	3	3 hours flood.	Rough	N.N.W. 5	Cloudy	—	<i>Buccinum undatum</i> spawn <i>Cancer pagurus</i> . <i>Astropecten irregularis</i> , <i>Ophiura albida</i> .	"Moorlog" present.
9 a.m.	Noon	3	First 3 hours ebb.	Moderate	N.N.W. 4	Fine, cloudy.	—	Actinoloba dianthus filling cod-end, mostly on <i>Cyprina islandica</i> ; some on <i>Ostrea edulis</i> .	Several German sailing trawlers southward of us.
12.15 p.m.	3.15 p.m.	3	Last 3 hours ebb.	Moderate	N.N.W. 3	Fine, cloudy.	—	<i>Actinoloba dianthus</i> c. <i>Cyanea lamarecki</i> . <i>Buccinum undatum</i> spawn.	"Moorlog" present. Several German sailing trawlers about us.
8.20 p.m.	10.20 p.m.	2	1 hour flood : 1 hour ebb.	Smooth	S. 2	Overcast	—	<i>Cancer pagurus</i> . Very little else.	
7 a.m.	9 a.m.	2	Third and fourth hours flood.	Moderate	S. 5	Overcast, dull.	—	<i>Buccinum undatum</i> spawn Asterias rubens v.c.	Passed two steam trawling fleets. Several Danish fishing craft about us.
Noon	2 p.m.	2	Second and third hours ebb.	Moderate	S. by W. 4	Overcast, dull, rain.	—	<i>Buccinum undatum</i> spawn c. <i>Portunus holsatus</i> , <i>Hyas araneus</i> , <i>Cancer pagurus</i> . <i>Asterias rubens</i> f.c.	
4.30 p.m.	6.30 p.m.	2	1 hour ebb; 1 hour flood.	Moderate	S. 4	Dull, thick	—	Buccinum undatum spawn abundant <i>Eupagurus bernhardus</i> c., <i>Cancer pagurus</i> . <i>Asterias rubens</i> c.	One steam trawler with us.
7.20 a.m.	9.20 p.m.	2	Last hour ebb; first hour flood.	Moderate	S.S.W. 5	Overcast, cloudy.	—	Buccinum undatum spawn v.c. <i>Asterias rubens</i> f.c.	"Moorlog" present.
5 p.m.	7 p.m.	2	Fourth and fifth hours ebb.	Rough	W. by N. 4	Overcast, hazy.	—	<i>Alcyonium digitatum</i> , <i>Cyanea lamarecki</i> . <i>Buccinum undatum</i> and spawn, <i>Fusus antiquus</i> . <i>Astropecten irregularis</i> , <i>Echinocardium cordatum</i> .	
6 a.m.	8 a.m.	2	Two last hours ebb.	Moderate	W. by S. 5	Fine, cloudy, hazy.	—	<i>Actinoloba dianthus</i> , <i>Alcyonium digitatum</i> . <i>Fusus antiquus</i> f.c. <i>Eupagurus bernhardus</i> .	
8.45 a.m.	10.45 a.m.	2	First 2 hours flood.	Moderate	W.S.W. 4-6.	Fine, hazy	—	<i>Fusus antiquus</i> f.c. <i>Eupagurus bernhardus</i> f.c.	
(21st) 10.30 p.m.	(22nd) 1.30 a.m.	3	Last hour ebb; 2 hours flood.	Moderate	E.S.E. 5	Cloudy	—	Not recorded	With Gamecock and Great Northern fleets.
Midnight	2 a.m.	2	Two first hours flood.	Moderate	S.E. 5	Dull, rainy.	—	Not recorded.	
12.15 p.m.	1.15 p.m.	1	Last hours ebb.	Moderate	S.E. by S. 5.	Overcast, cloudy.	—	<i>Buccinum undatum</i> , and spawn f.c. <i>Hyas araneus</i> Asterias rubens v. abundant.	Several Danish fishing boats and two steam trawlers about us.
1.50 p.m.	2.50 p.m.	1	Slack	Moderate	S.E. by S. 5.	Overcast, cloudy.	—	<i>Buccinum undatum</i> f.c. <i>Asterias rubens</i> c.	Several Danish fishing boats and two steam trawlers with us.
6.50 a.m.	12.50 p.m.	6	Nil	Moderate	S. 3	Overcast, dull, thick rain.	—	<i>Obelia longissima</i> , dead, c. Alcyonidium gelatinosum v. abundant, Flustra securifrons v.c. <i>Paratyelus swammerdami</i> c., <i>Melita obtusata</i> f.c.	
1.15 p.m.	7.15 a.m.	6	All flood	Smooth	E. by S. 1-2.	Fine, hazy	—	<i>Obelia longissima</i> c. Alcyonidium gelatinosum v. abundant. <i>Cancer pagurus</i> .	One steam trawler with us.
5.5 p.m.	8.5 p.m.	3	From 2 to 5 hours flood.	Smooth	S. 3	Cloudy	Had a piece of wreck in trawl. Net torn badly.	Actinoloba dianthus v.c., Alcyonium digitatum v.c., <i>Obelia longissima</i> f.c. Buccinum undatum v.c.	

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot- ing.	Towing.	Haul- ing.	Shoot- ing.	Towing.	Haul- ing.
XXXI	43	May	27	B 145	Flamborough Off ..	54° 4' N., 1° 54' E.	W. by S. 6 miles	54° 1½' N., 0° 56½' E.	31½	..	26	f.d.s.	..	f.d.s.
"	46	"	"	B 146	Bridlington Bay ..	54° 3½' N., 0° 8½' W.	S.S.W. 3 miles	54° 0½' N., 0° 0½' W.	4½	..	5½	f.s.	..	f.s.
"	47	"	"	B(c)147	" ..	54° 3½' N., 0° 9' W.	S. by W. ½ W. 2½ miles	54° 0½' N., 0° 9½' W.	6	..	7	f.s.	..	f.s.
XXXII	3	June	1	B 148	N.N.W. of Schouwen L.V.	51° 59½' N., 3° 22' E.	S.E. ½ E. 1½ miles W. ½ N. 3½ miles.	51° 58½' N., 3° 18½' E.	17	..	17	f.s.	..	f.s.
"	14	"	2	B 149	Sunk	51° 50' N., 1° 31½' E.	S. ½ W. 2 miles	51° 48' N., 1° 32' E.	9	..	10	c.s. & gvl.	..	c.s.
"	20	"	3	B 150	Off Southwold ..	52° 16½' N., 1° 45' E.	E. by N. ½ N. 5½ miles	52° 19½' N., 1° 54' E.	10½	..	15	gvl.	..	gvl.
XXXIII	25	"	10	B 151	Lynn Deep	53° 0½' N., 0° 22' E.	S.W. by W. ¼ W. 3¼ miles	52° 58' N., 0° 18' E.	17	..	12	d.s. & gvl.	..	c.s. & m.
"	44	"	17	B 152	Off Mablethorpe ..	53° 22½' N., 0° 23½' E.	S. by E. ¼ E. 4½ miles	53° 19½' N., 0° 26½' E.	10	9	8	c.s.	c.s.	c.s.
"	51	"	18	B 153	Lynn Deep	52° 56' N., 0° 14½' E.	N.E. by E. ½ E. 2 miles	52° 57' N., 0° 17½' E.	7	..	8	m.	..	m.
"	53	"	"	B 154	North of Blakeney Overfall.	53° 6½' N., 0° 52' E.	S.E. ½ E. 5 miles	53° 4½' N., 0° 59½' E.	9½	..	9½	c.s. & sh.	..	c.s. & sh.
XXXIV	1	"	28	O 189	Leman Ground ..	53° 18½' N., 2° 45½' E.	N.E. ¾ E. 9½ miles W. by N. 2¼ miles.	53° 25½' N., 2° 50' E.	16	16	16	f.d.s.	f.d.s.	f.d.s.
"	2	"	"	O 190	East edge of Leman Ground.	53° 25½' N., 2° 50' E.	N.E. ¾ E. 5 miles S.E. ¾ E. 5½ miles.	53° 28' N., 3° 1½' E.	16	16	16	f.d.s.	f.d.s.	f.d.s.
"	3	July	2	O 191	Flamborough Off ..	54° 2½' N., 0° 45½' E.	E. by N. ¾ N. 7½ miles	54° 7' N., 0° 56' E.	26	..	25	s.m.	..	s.m.
"	4	"	2-3	O 192	"	54° 7' N., 0° 56' E.	W. 5 miles E. 10 miles.	54° 7½' N., 1° 9' E.	25	25	27	s.m.	..	f.s. & m.
"	5	"	3	O 193	"	54° 7½' N., 1° 9' E.	E. ¾ N. 3½ miles W. ¾ S. 5 miles. E. by S. 4½ miles.	54° 7½' N., 1° 14' E.	27	27	27	f.s. & m.	..	f.s. & m.
"	6	"	"	O 194	"	54° 7½' N., 1° 14' E.	W. by S. ½ S. 5½ miles E. ½ N. 9½ miles.	54° 7½' N., 1° 20½' E.	27	27	28	f.s. & m.	..	s. & m.
"	7	"	"	O 195	"	54° 7½' N., 1° 20½' E.	W. 10½ miles E. by S. ¾ S. 3 miles.	54° 4½' N., 1° 8' E.	28	..	25	s.m.	..	f.d.s.
"	8	"	3-4	O 196	"	54° 4½' N., 1° 8' E.	E. by S. 5½ miles W. by N. ½ N. 6½ miles. E.S.E. 3 miles.	54° 3½' N., 1° 9' E.	25	25	25	f.d.s.	..	f.d.s.
"	9	"	4	O 197	"	54° 3½' N., 1° 9' E.	N.E. by E. 4½ miles S.W. by W. ½ W. 10½ miles S. ½ E. 2 miles.	53° 57' N., 1° 3½' E.	25	..	22½	f.d.s.	..	f.d.s.
"	10	"	"	O 198	"	53° 57' N., 1° 3½' E.	by N. ½ N. 8½ miles W. ¾ N. 4½ miles.	54° 1½' N., 1° 7½' E.	22½	23	23	f.d.s.	f.d.s.	f.d.s.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
3.15 a.m.	6.15 a.m.	3	From 3 to 6 hours flood.	Smooth	Variable 1-2.	Overcast, thick.	—	<i>Actinoloba dianthus</i> c., <i>Alcyonium digitatum</i> , <i>Obelia longissima</i> , <i>Alcyonidium gelatinosum</i> c., <i>Flustra securifrons</i> , <i>Cancer pagurus</i> , <i>Ophiotricha fragilis</i> f.c., <i>Ammodytes</i> sp.	
11.50 a.m.	12.50 p.m.	1	2 hours flood.	Smooth	N.N.E. 4	Dull, thick rain.	—	Very little taken.	
1.50 p.m.	2.50 p.m.	1	Fifth hour flood.	Moderate	N.N.E. 5	Dull, thick rain.	—	<i>Loligo media</i> <i>Trachinus vipera</i> f.c., <i>Callionymus lyra</i>	Trawl completely covered with small-meshed nets, (Experiment No. 1.) Small mesh over cod end torn away.
7.30 a.m.	10.30 a.m.	3	3 hours flood.	Smooth	S.S.E. 3	Cloudy, fine, hazy.	Net very badly torn. (No fish recorded.)	Not recorded	W. Wallace, R. A. Todd. Several Belgian sailing trawlers about us.
6.15 a.m.	7.30 a.m.	1½	Sixth hour ebb.	Moderate	N.W. by N. 5.	Overcast, rainy.	—	<i>Sabellaria spinulosa</i> v.c. <i>Echinus miliaris</i> f.c., <i>Asterias rubens</i> , <i>Solaster papposus</i> .	
4 a.m.	6 a.m.	2	3 to 5 hours ebb.	Moderate	N.N.E. 5	Overcast	Net torn	<i>Alcyonidium gelatinosum</i> , little <i>Echinus miliaris</i> f.c., <i>Asterias rubens</i> .	Several sailing trawlers with us.
1.15 p.m.	2.45 p.m.	1½	From 4 to 5½ hours flood.	Smooth	E. by N. 5	Cloudy, overcast.	Small hole in batings.	<i>Alcyonium digitatum</i> , <i>Halecium halecinum</i> , <i>Hydrallmania falcata</i> , <i>Sertularia abietina</i> , <i>Flustra foliacea</i> , <i>Sabellaria spinulosa</i> , <i>Eupagurus bernhardus</i> , <i>Asterias rubens</i> .	W. Wallace, R. A. Todd, G. T. Atkinson.
7 a.m.	10 a.m.	3	Second to fifth hour flood.	Moderate	S.W. by W. 5.	Fine, cloudy, hazy.	—	<i>Sertularia abietina</i> f.c. <i>Flustra foliacea</i> c., <i>Cancer pagurus</i> , <i>Asterias rubens</i> .	Two steam trawlers with us.
4.45 a.m.	6.15 a.m.	1½	Last of ebb, and first of flood.	Smooth	W.N.W. 4-6.	Heavy Clouds, tempest.	Lost contents of bag, the cod line having been insecurely tied.	Not recorded.	
11.40 a.m.	1.40 p.m.	2	Two last hours flood.	Moderate	W. 4-6	Cloudy, hazy, tempest.	Belly and cod end chafed to pieces.	<i>Modiola modiolus</i> , <i>Pecten opercularis</i> , <i>Buccinum undatum</i> .	
4 a.m.	9 a.m.	5	Two last hours ebb; three first hours flood.	Moderately rough.	N.W. by N. 5.	Cloudy, fine.	—	Not recorded; no Naturalists on board	J. Potter, C. E. Earl.
9.30 a.m.	3 p.m.	5½	3 hours flood; 2½ hours ebb.	Heavy swell	N.N.W. 4	Cloudy, fine.	Parted aft wire when hauling.	" " "	Some fish lost. 4 steam trawlers with us.
4 p.m.	8 p.m.	4	4 hours flood.	Smooth	S.W. 4	Cloudy, tempest.	—	" " "	Several steam trawlers with us.
(2nd) 8.30 p.m.	(3rd) 2.30 a.m.	6	Last 2 hours flood; first 4 hours ebb.	Smooth	S.W. by W. 3.	Cloudy, tempest, and fine.	—	" " "	Several steam trawlers with us.
2.45 a.m.	8.30 a.m.	5½	Last 2 hours ebb; 4 hours flood.	Moderately smooth.	S.W. by W. 4.	Tempest, fine.	—	" " "	Several steam trawlers with us.
8.45 a.m.	2.15 p.m.	5½	Last 2 hours flood; 3 hours ebb.	Moderately smooth.	W. 5	Cloudy, fine, tempest.	—	" " "	Several steam trawlers with us.
2.30 p.m.	8 p.m.	5½	Last 2½ hours ebb; 3 hours flood.	Smooth	Variable, 1 to 3.	Cloudy, fine, empesty.	—	" " "	Several steam trawlers with us.
(3rd) 8.20 p.m.	(4th) 2.30 a.m.	6½	Last 3 hours flood; first 3 hours ebb.	Moderate	W. by N. 5.	Cloudy, tempesty.	—	" " "	Several steam trawlers with us.
2.50 a.m.	8.30 a.m.	5½	Last 3 hours ebb; 2½ hours flood.	Moderate	W. by N. 5.	Cloudy, tempesty, fine.	—	" " "	Several steam trawlers with us.
9 a.m.	2.30 p.m.	5½	Last 3 hours flood; 2½ hours ebb.	Moderately smooth.	Variable, 5 to 1.	Cloudy, fine.	—	" " "	Several steam trawlers with us.

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot-ing.	Tow-ing.	Haul-ing.	Shoot-ing.	Tow-ing.	Haul-ing.
XXXIV	11	July	4	O 199	Flamborough Off ..	54° 11' N., 1° 71' E.	N.W. by N. $\frac{3}{4}$ N. 8 $\frac{3}{8}$ miles E.N.E. 1 $\frac{1}{2}$ miles.	54° 8' N., 0° 59 $\frac{1}{2}$ ' E.	23	25	27	f.d.s.	f.d.s.	f.d.s.
"	12	"	4-5	O 200	" ..	54° 8' N., 0° 59 $\frac{1}{2}$ ' E.	E. by S. $\frac{1}{4}$ S. 9 $\frac{1}{2}$ miles N.W. $\frac{3}{4}$ W. 4 $\frac{1}{2}$ miles.	54° 10' N., 1° 9' E.	27	28	28	f.d.s.	f.s. & m.	f.d.s.
"	13	"	5	O 201	" ..	54° 10' N., 1° 9' E.	N. by E. $\frac{1}{4}$ E. 4 $\frac{1}{2}$ miles S.W. $\frac{1}{2}$ S. 4 $\frac{1}{2}$ miles. N.E. by N. $\frac{3}{4}$ N. 2 $\frac{3}{8}$ miles.	54° 12 $\frac{1}{2}$ ' N., 1° 6 $\frac{1}{2}$ ' E.	28	..	29	f.s. & m.	..	f.d.s.
"	14	"	"	O 202	" ..	54° 12 $\frac{1}{2}$ ' N., 1° 6 $\frac{1}{2}$ ' E.	N.E. by N. 1 $\frac{1}{2}$ miles E. $\frac{3}{8}$ S. 1 $\frac{1}{2}$ miles.	54° 13 $\frac{1}{2}$ ' N., 1° 9' E.	29	..	30	f.d.s.	..	f.d.s. & sh.
"	15	"	"	O 203	" ..	54° 17 $\frac{1}{2}$ ' N., 1° 16 $\frac{3}{8}$ ' E.	E. by N. $\frac{1}{2}$ N. 2 $\frac{1}{2}$ miles W. 5 $\frac{1}{2}$ miles. E. by S. $\frac{3}{8}$ S. 1 $\frac{1}{2}$ miles.	54° 17' N., 1° 13 $\frac{1}{2}$ ' E.	30	..	30	d.s. & sh.	..	d.s. & sh.
"	16	"	5-6	O 204	" ..	54° 17' N., 1° 13 $\frac{1}{2}$ ' E.	E. by S. $\frac{1}{4}$ S. 1 $\frac{3}{8}$ miles S.W. by S. $\frac{1}{4}$ S. 9 $\frac{1}{2}$ miles.	54° 7 $\frac{1}{2}$ ' N., 1° 12 $\frac{1}{2}$ ' E.	30	..	25	d.s. & sh.	..	f.d.s.
"	17	"	6	O 205	" ..	54° 7 $\frac{1}{2}$ ' N., 1° 12 $\frac{1}{2}$ ' E.	E.N.E. 5 $\frac{1}{2}$ miles. W. by N. $\frac{3}{4}$ N. 6 miles. E. $\frac{1}{2}$ S. 3 $\frac{1}{2}$ miles.	54° 10 $\frac{1}{2}$ ' N., 1° 12 $\frac{1}{2}$ ' E.	25	..	28	f.d.s.	..	f.d.s.
"	18	"	"	O 206	" ..	54° 10 $\frac{3}{8}$ ' N., 1° 12 $\frac{3}{8}$ ' E.	W. by S. $\frac{3}{8}$ S. 7 $\frac{1}{2}$ miles E. $\frac{1}{2}$ S. 9 $\frac{1}{2}$ miles.	54° 8 $\frac{3}{8}$ ' N., 1° 19' E.	28	25	27	f.d.s.	f.d.s.	d.s. & sh.
"	19	"	"	O 207	" ..	54° 8 $\frac{3}{8}$ ' N., 1° 19' E.	W. by N. $\frac{1}{8}$ N. 11 miles	54° 7 $\frac{3}{8}$ ' N., 1° 0 $\frac{1}{2}$ ' E.	27	..	27	d.s. & sh.	..	f.d.s.
"	20	"	6-7	O 208	" ..	54° 7 $\frac{3}{8}$ ' N., 1° 0 $\frac{1}{2}$ ' E.	E. by S. $\frac{3}{8}$ S. 2 $\frac{1}{2}$ miles W. by S. $\frac{1}{4}$ S. 7 $\frac{1}{2}$ miles. E. by N. 5 miles.	54° 6' N., 1° 1 $\frac{1}{2}$ ' E.	27	27	27	f.d.s.	..	f.s. & m.
"	21	"	7	O 209	" ..	54° 6' N., 1° 1 $\frac{1}{2}$ ' E.	W. by N. $\frac{3}{8}$ N. 10 miles E. by N. $\frac{3}{8}$ N. 4 $\frac{3}{8}$ miles.	54° 8 $\frac{1}{2}$ ' N., 0° 50 $\frac{3}{8}$ ' E.	27	..	25	f.s. & m.	..	f.g.d. spk.s.
"	22	"	"	O 210	" ..	54° 8 $\frac{1}{2}$ ' N., 0° 50 $\frac{3}{8}$ ' E.	S.W. by S. $\frac{1}{2}$ S. 9 $\frac{1}{2}$ miles S.E. $\frac{3}{8}$ E. 2 miles. N.E. $\frac{1}{4}$ N. 5 $\frac{1}{2}$ miles.	54° 3 $\frac{1}{2}$ ' N., 0° 54' E.	25	25	25	f.g.d. spk.s.	..	f.g.s. & sh.
"	23	"	"	O 211	" ..	54° 4' N., 0° 53' E.	E. $\frac{1}{2}$ N. 4 $\frac{1}{2}$ miles W. by N. $\frac{3}{4}$ N. 3 $\frac{3}{8}$ miles. E.N.E. 2 $\frac{3}{8}$ miles.	54° 7' N., 0° 56 $\frac{1}{2}$ ' E.	25	..	28	f.d.s.	..	f.d.s.
"	24	"	7-8	O 212	" ..	54° 7' N., 0° 56 $\frac{1}{2}$ ' E.	W. 10 miles E. by S. $\frac{1}{2}$ S. 4 miles.	54° 4 $\frac{1}{2}$ ' N., 0° 48 $\frac{1}{2}$ ' E.	28	..	28 $\frac{1}{2}$	f.d.s.	..	f.s. & m.
XXXV	1	"	20	B(c)155	" ..	54° 3' N., 0° 58' E.	N.N.E. 1 $\frac{1}{2}$ miles	51° 4 $\frac{1}{2}$ ' N., 0° 58 $\frac{1}{2}$ ' E.	25	..	25	f.d.s.	..	f.d.s.
"	3	"	"	O 213	" ..	54° 4 $\frac{1}{2}$ ' N., 0° 58 $\frac{3}{8}$ ' E.	N.E. $\frac{1}{2}$ N. 6 $\frac{1}{2}$ miles S.W. by S. $\frac{1}{4}$ S. 6 $\frac{3}{8}$ miles.	54° 4 $\frac{3}{8}$ ' N., 1° 0 $\frac{1}{2}$ ' E.	25	27	25	f.g.s	f.g.s. & m.	f.s. & m.
"	4	"	"	O 214	" ..	54° 4 $\frac{3}{8}$ ' N., 1° 0 $\frac{3}{8}$ ' E.	N.E. $\frac{1}{2}$ E. 3 $\frac{3}{8}$ miles N.W. by N. $\frac{1}{4}$ N. 3 $\frac{3}{8}$ miles. E. by N. $\frac{1}{2}$ N. 4 $\frac{3}{8}$ miles. W. by N. $\frac{1}{2}$ N. 3 $\frac{3}{8}$ miles.	54° 11 $\frac{1}{2}$ ' N., 1° 0 $\frac{3}{8}$ ' E.	25	29	30	f.s. & m.	f.d.s.	f.d.s.
"	5	"	20-21	O 215	" ..	54° 11 $\frac{1}{2}$ ' N., 1° 0 $\frac{3}{8}$ ' E.	N.W. by W. $\frac{3}{4}$ W. 3 $\frac{3}{8}$ miles E. by S. $\frac{1}{2}$ S. 6 $\frac{1}{2}$ miles. W. 5 $\frac{1}{2}$ miles. E. $\frac{3}{8}$ N. 4 $\frac{1}{2}$ miles.	54° 12 $\frac{1}{2}$ ' N., 1° 3 $\frac{3}{8}$ ' E.	30	..	35	f.d.s. & m.	..	f.d.s.
"	6	"	21	B(c)156	" ..	54° 12 $\frac{1}{2}$ ' N., 1° 3 $\frac{3}{8}$ ' E.	N.W. $\frac{3}{4}$ W. 1 mile	54° 12 $\frac{1}{2}$ ' N., 1° 2 $\frac{1}{2}$ ' E.	35	..	33	f.d.s.	..	f.d.s.

Duration of Haul.			Tide.	Sea	Weather		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun. Rain, &c.			
3 p.m.	8.30 p.m.	5½	Last 3½ hours ebb; first 1½ hours flood.	Smooth	Variable 3 to 1.	Dull, tempest.	Small hole in bosom.	Not recorded; no Naturalists on board	Several steam trawlers with us.
(4th) 9 p.m.	(5th) 2.45 a.m.	5½	Last 4 hours flood; first 2 hours ebb.	Smooth	S.W. by W. 3.	Dull, rainy.	—	" " "	Several steam trawlers with us.
3.15 a.m.	8.30 a.m.	5½	Last 3 hours ebb; first 3 hours flood.	Moderately smooth.	S.W. by W. 3 to 4.	Dull, rain.	—	" " "	Several steam trawlers with us.
9 a.m.	10 a.m.	1	Fourth hour flood.	Smooth	S.W. by W. 3.	Dull, overcast, hazy.	Came fast to wreck, parted ground rope and head line, had net very badly torn.	" " "	Several steam trawlers with us.
6.30 p.m.	10 p.m.	3½	Last hour ebb; 3½ hours flood.	Smooth	S.W. by W. 1 to 2.	Fine, cloudy.	—	" " "	Several steam trawlers with us.
(5th) 10.30 p.m.	(6th) 3 a.m.	4½	Last 2½ hours flood; first 2½ hours ebb.	Smooth	S.W. by W. 2.	Cloudy, fine, hazy.	—	" " "	Several steam trawlers with us.
3.30 a.m.	9 a.m.	5½	Last 4 hours ebb; first 1½ hours flood.	Smooth	S.W. by W. 1 to 3.	Fine, cloudy, hazy.	—	" " "	Several steam trawlers with us.
9.30 a.m.	2.50 p.m.	5½	Last 4½ hours flood; first hour ebb.	Smooth	S.W. by W. 4.	Fine, hazy.	—	" " "	Several steam trawlers with us.
3.20 p.m.	8.15 p.m.	4½	Last 5 hours ebb.	Smooth	W.S.W. 2.	Fine, hazy.	—	" " "	Several steam trawlers with us.
(6th) 8.45 p.m.	(7th) 2.30 a.m.	5¾	Last 5 hours flood.	Smooth	N.W. by W. 2.	Fine, hazy.	—	" " "	3 steam trawlers with us.
3 a.m.	8.30 a.m.	5½	Last 5½ hours ebb.	Smooth	Variable 1.	Fine, hazy.	—	" " "	3 steam trawlers with us.
9 a.m.	2.30 p.m.	5½	5½ hours flood.	Smooth	Variable 1 to 3.	Fine, cloudy, hazy.	Belly badly torn..	" " "	3 steam trawlers with us.
5 p.m.	9.30 p.m.	4½	Last 5½ hours ebb.	Smooth	S. 3	Fine, hazy.	—	" " "	2 steam trawlers with us.
(7th) 9.50 p.m.	(8th) 3.30 a.m.	5¾	6 hours flood.	Smooth	W. by N. 3.	Fine, hazy.	—	" " "	
3.50 a.m.	4.50 a.m.	1	Third hour ebb.	Smooth	E.N.E. 2.	Fine, cloudy.	—	Callionymus lyra abundant; Trachinus vipera abundant; <i>Solea lutea</i> f.c. Invertebrates not recorded.	G. T. Atkinson, C. W. Dance. Trawl covered with small meshed nets (Expt. No. 2). Several steam trawlers about us.
6.15 a.m.	11.15 a.m.	5	Last 2 hours ebb; first 3 hours flood.	Moderate swell.	S.E. 3	Cloudy, tempest.	—	Not recorded	Several steam trawlers about us.
11.50 a.m.	6.20 p.m.	6½	Last 2 hours flood; 5 hours ebb.	Moderate swell.	E. 2	Cloudy, fine.	—	" " " " " " " "	Several steam trawlers about us.
(20th) 6.50 p.m.	(21st) 2 a.m.	7½	Last 2 hours ebb; 5 hours flood.	Moderate swell.	Variable 1 to 2.	Cloudy, fine.	—	" " " " " " " "	Several steam trawlers about us.
a.m.	4 a.m.	1	First hour ebb.	Smooth	Variable 1.	Fine, cloudy.	—	" " " " " " " "	Small mesh nets round ordinary trawl. (Expt. No. 3). Several steam trawlers about us.

Voyage.	Station.	Month.	Day	Net and No. of Haul.	Name of Ground.	Position			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot-ing.	Tow-ing.	Haul-ing.	Shoot-ing.	Tow-ing.	Haul-ing.
XXXV	7	July	21	O 216	Botney Gut	53° 51 $\frac{1}{2}$ ' N., 3° 1 $\frac{1}{2}$ ' E.	N. by E. $\frac{1}{2}$ E. 2 $\frac{1}{2}$ miles S. 3 miles. N. $\frac{1}{2}$ W. 5 miles. S. 2 miles. N.W. by W. $\frac{1}{2}$ W. 1 $\frac{1}{2}$ miles.	53° 54 $\frac{1}{2}$ ' N., 2° 59' E.	31	31	32	m.	m.	m.
"	9	"	"	B 157	Between Coal Pit and Broken Bank.	53° 27 $\frac{1}{2}$ ' N., 1° 54 $\frac{1}{2}$ ' E.	S.E. by S. $\frac{1}{2}$ S. 7 $\frac{1}{2}$ miles E. $\frac{1}{2}$ S. 2 $\frac{1}{2}$ miles. N.W. $\frac{1}{2}$ N. 1 $\frac{1}{2}$ miles.	53° 23 $\frac{3}{4}$ ' N., 2° 5 $\frac{1}{2}$ ' E.	13	14	14	s. & grv.	c.s.	f.g.s.
"	11	"	22	B 158	Between Swarte Bank and Broken Bank.	53° 25' N., 2° 2' E.	S.E. by S. $\frac{1}{2}$ S. 13 $\frac{1}{2}$ miles	53° 16' N., 2° 18 $\frac{3}{4}$ ' E.	14	14	15	f.g.s.	..	f.g.s.
"	12	"	"	O 217	East of South part of Swarte Bank.	53° 16 $\frac{1}{2}$ ' N., 2° 21 $\frac{1}{2}$ ' E.	E. by S. 2 miles N.E. $\frac{1}{2}$ N. 6 $\frac{1}{2}$ miles. W. by N. $\frac{1}{2}$ N. 5 $\frac{1}{2}$ miles. N. by E. $\frac{1}{2}$ E. 2 $\frac{1}{2}$ miles.	53° 24 $\frac{3}{4}$ ' N., 2° 10 $\frac{3}{4}$ ' E.	15	12	14	f.g.s.	f.g.s.	f.g.s.
"	13	"	22-23	O 218	Leman Ground ..	53° 24 $\frac{3}{4}$ ' N., 2° 19 $\frac{3}{4}$ ' E.	W. by N. $\frac{1}{2}$ N. 3 $\frac{1}{2}$ miles E.N.E. 5 miles. S.W. by W. 4 $\frac{1}{2}$ miles. E. by S. $\frac{1}{2}$ S. 3 miles.	53° 24 $\frac{1}{2}$ ' N., 2° 26 $\frac{3}{4}$ ' E.	14	14	14	f.g.s.	f.g.s.	f.g.s.
"	14	"	23	O 219	" ..	53° 25' N., 2° 23 $\frac{3}{4}$ ' E.	W. $\frac{1}{2}$ N. 4 $\frac{1}{2}$ miles E. $\frac{1}{2}$ N. 4 $\frac{1}{2}$ miles. E. by N. 3 $\frac{1}{2}$ miles.	53° 27 $\frac{1}{2}$ ' N., 2° 28 $\frac{1}{2}$ ' E.	13	11	19	f.g.s.	f.g.s.	f.g.s.
"	15	"	"	O 220	" ..	53° 28 $\frac{1}{2}$ ' N., 2° 28 $\frac{1}{2}$ ' E.	S.E. $\frac{1}{2}$ E. 14 $\frac{1}{2}$ miles	53° 23 $\frac{3}{4}$ ' N., 2° 51 $\frac{1}{2}$ ' E.	16	..	16	f.g.s.	..	f.g.s.
"	16	"	23-24	O 221	" ..	53° 28 $\frac{3}{4}$ ' N., 2° 51 $\frac{1}{2}$ ' E.	S.E. by E. $\frac{1}{2}$ E. 3 miles S.W. $\frac{1}{2}$ W. 4 $\frac{1}{2}$ miles. N. by E. $\frac{1}{2}$ E. 7 $\frac{1}{2}$ miles.	53° 26 $\frac{1}{2}$ ' N., 2° 54' E.	16	16	16 $\frac{1}{2}$	f.g.s.	..	f.g.s.
"	17	"	24	O 222	" ..	53° 26 $\frac{1}{2}$ ' N., 2° 54' E.	S.W. by S. $\frac{1}{2}$ S. 8 $\frac{1}{2}$ miles N.E. $\frac{1}{2}$ N. 5 $\frac{1}{2}$ miles. E.S.E. 2 miles.	53° 22' N., 2° 56' E.	16 $\frac{1}{2}$	16	16	f.g.s.	f.g.s.	f.g.s.
"	18	"	"	O 223	" ..	53° 22' N., 2° 56' E.	W. $\frac{3}{4}$ S. 7 $\frac{1}{2}$ miles N.E. $\frac{1}{2}$ N. 6 $\frac{1}{2}$ miles. S.E. $\frac{1}{2}$ S. 4 $\frac{1}{2}$ miles.	53° 23 $\frac{3}{4}$ ' N., 2° 58' E.	16	16	16 $\frac{1}{2}$	f.d.s.	f.d.s.	f.d.s.
"	19	"	24-25	O 224	" ..	53° 23 $\frac{3}{4}$ ' N., 2° 58' E.	W. 2 $\frac{1}{2}$ miles N.E. by E. $\frac{1}{2}$ E. 3 $\frac{1}{2}$ miles. W. $\frac{1}{2}$ N. 3 $\frac{1}{2}$ miles. N.E. by E. $\frac{1}{2}$ E. 3 $\frac{1}{2}$ miles.	53° 25 $\frac{1}{2}$ ' N., 2° 55 $\frac{3}{4}$ ' E.	16 $\frac{1}{2}$	16	16 $\frac{1}{2}$	f.d.s.	f.d.s.	f.d.s.
"	20	"	25	O 225	" ..	53° 25 $\frac{1}{2}$ ' N., 2° 55 $\frac{3}{4}$ ' E.	S.S.E. 7 $\frac{1}{2}$ miles	53° 20 $\frac{1}{2}$ ' N., 3° 3 $\frac{1}{2}$ ' E.	16 $\frac{1}{2}$	16	16	f.d.s.	..	f.d.s.
"	21	"	"	O 226	South-east part of Leman Ground.	53° 20 $\frac{1}{2}$ ' N., 3° 3 $\frac{3}{4}$ ' E.	S.W. $\frac{1}{2}$ S. 4 $\frac{1}{2}$ miles N.N.W. 2 $\frac{1}{2}$ miles. E. $\frac{1}{2}$ S. 5 $\frac{1}{2}$ miles.	53° 19 $\frac{1}{2}$ ' N., 3° 5 $\frac{1}{2}$ ' E.	16	16	16	f.d.s.	..	f.d.s.
"	22	"	"	O 227	" ..	53° 19' N., 3° 1 $\frac{1}{2}$ ' E.	S.E. $\frac{1}{2}$ S. 2 miles S.E. 3 $\frac{3}{4}$ miles. S. $\frac{1}{2}$ mile.	53° 16' N., 3° 9' E.	16	..	15	f.d.s.	..	f.d.s.
"	23	"	26	O 228	North part of Brown Bank.	53° 15 $\frac{1}{2}$ ' N., 3° 38 $\frac{1}{2}$ ' E.	W.S.W. 10 $\frac{1}{2}$ miles	53° 9' N., 3° 24' E.	14	..	15	f.d.s.	..	f.d.s.
"	25	"	"	O 229	" ..	53° 9' N., 3° 24' E.	E. $\frac{1}{2}$ N. 2 $\frac{1}{2}$ miles W. $\frac{1}{2}$ N. 7 $\frac{1}{2}$ miles. E.N.E. 3 miles.	53° 10 $\frac{3}{4}$ ' N., 3° 19 $\frac{3}{4}$ ' E.	15	..	14	f.d.s.	..	f.d.s.
"	26	"	26-27	O 230	Brown Bank	53° 10 $\frac{3}{4}$ ' N., 3° 19 $\frac{3}{4}$ ' E.	S.E. by E. $\frac{1}{2}$ E. 3 $\frac{3}{4}$ miles N.E. $\frac{1}{2}$ E. 6 $\frac{1}{2}$ miles. N.W. $\frac{1}{2}$ N. 3 miles.	53° 15 $\frac{3}{4}$ ' N., 3° 28 $\frac{1}{2}$ ' E.	14	..	14	f.d.s.	..	f.d.s.
"	27	"	27	B 159	North part of Brown Bank.	53° 15 $\frac{3}{4}$ ' N., 3° 28 $\frac{1}{2}$ ' E.	N.W. $\frac{1}{2}$ W. 2 $\frac{1}{2}$ miles E. by N. $\frac{1}{2}$ N. 8 $\frac{1}{2}$ miles. W. by S. $\frac{1}{2}$ S. 4 miles.	53° 19 $\frac{1}{2}$ ' N., 3° 31' E.	14	..	14	f.d.s.	..	f.d.s.
"	28	"	"	B 160	" ..	53° 19 $\frac{1}{2}$ ' N., 3° 31' E.	S.E. by S. 6 $\frac{1}{2}$ miles E. $\frac{1}{2}$ S. 2 miles. N.W. by W. $\frac{1}{2}$ W. 4 $\frac{1}{2}$ miles.	53° 17' N., 3° 34' E.	14	..	14	f.d.s.	..	f.d.s.
"	29	"	"	B 161	Brown Bank	53° 17' N., 3° 34' E.	S.W. $\frac{1}{2}$ W. 12 $\frac{1}{2}$ miles	53° 6 $\frac{1}{2}$ ' N., 3° 22' E.	14	..	14 $\frac{1}{2}$	f.d.s.	..	f.g.s.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
2.30 p.m.	8 p.m.	5½	Last hour flood; first 4½ hours ebb.	Moderate swell.	E. 1	Fine, cloudy.	---	Nephrops norvegicus very abundant (c.a. 1300). <i>Lumpenus lampetiformis</i> .	1 steam trawler with us.
4.30 a.m.	10 a.m.	5½	Last 2 hours flood; first 3½ hours ebb.	Smooth	S.E. 4	Fine, hazy.	Belly torn	<i>Callionymus lyra</i> Invertebrates not recorded.	5 steam trawlers outside Swarte Bank. 2 Lowestoft trawling smacks with us.
12.15 p.m.	4.30 p.m.	4½	First 4 hours flood.	Smooth	S.E. 4	Fine, hazy, foggy.	---	Not recorded	2 Lowestoft trawling smacks with us.
5.30 p.m.	11 p.m.	5½	Last hour flood; 4½ hours ebb.	Smooth	S.E. 1	Fine	---	"	4 steam trawlers with us.
(22nd) 11.30 p.m.	(23rd) 5 a.m.	5½	Last 1½ hours ebb; first 4 hours flood.	Smooth	S.E. 1	Fine, cloudy.	Belly and fore wing torn.	"	4 steam trawlers about us.
8 a.m.	1.30 p.m.	5½	5½ hours ebb.	Smooth	S. 3	Fine, cloudy, hazy.	Belly split	"	2 steam trawlers, S.S. Restless and S.S. Grimsby, of Grimsby, with us.
3.40 p.m.	8 p.m.	4½	Last 4 hours flood.	Smooth	S. 2	Cloudy, tempest.	---	"	7 steam trawlers about us.
(23rd) 8.30 p.m.	(24th) 2.30 a.m.	6	Whole ebb.	Smooth	Variable 1.	Cloudy, tempest.	---	"	5 steam trawlers and 1 Yarmouth trawling smack with us.
3.45 a.m.	10.30 a.m.	6½	Last 4½ hours flood; first 2½ hours ebb.	Smooth	Variable 2.	Fine, cloudy, hazy.	---	"	5 steam trawlers and 1 Yarmouth trawling smack with us.
11 a.m.	7 p.m.	8	4½ hours ebb; 3½ hours flood.	Smooth	Variable 1.	Fine, hazy.	---	"	6 steam trawlers and 1 Yarmouth trawling smack with us.
(24th) 7.40 p.m.	(26th) 2.30 a.m.	6½	Last hour flood; 6 hours ebb.	Smooth	S.E. 3	Cloudy, tempest.	Turn in aft wing	"	5 steam trawlers with us.
3.30 a.m.	9 a.m.	5½	5½ hours flood.	Moderately smooth.	E.S.E. 4	Fine, cloudy, hazy.	Aft wing torn	"	5 steam trawlers with us.
10.15 a.m.	3.45 p.m.	5½	Last 4 hours ebb; first hour flood.	Moderately rough.	E.N.E. 6	Overcast, cloudy.	Belly and fore-wing torn	"	3 steam trawlers with us.
5 p.m.	6.40 p.m.	1½	First of flood.	Very rough	E.N.E. 7	Overcast, cloudy.	Parted headline and net very badly torn.	"	3 steam trawlers with us.
8.30 a.m.	Noon	3½	Last hour flood; first 3 hours ebb.	Moderate swell.	S.W. 4	Cloudy, fine.	---	"	3 steam trawlers and several Dutch craft with us.
12.30 p.m.	5.30 p.m.	5	Last 3½ hours ebb; first 1½ hours flood.	Moderate swell.	S. 2	Fine, cloudy, tempest.	---	"	3 steam trawlers and several Dutch craft about us.
(26th) 8 p.m.	(27th) 2 a.m.	6	Last hour flood; first 5 hours ebb.	Moderate swell.	Variable 1.	Cloudy, tempest.	---	"	2 steam trawlers and several Dutch craft with us.
3 a.m.	9 a.m.	6	Last hour ebb; first 5 hours flood.	Moderately smooth.	Variable 1.	Cloudy, tempesty.	---	"	2 steam trawlers and several Dutch craft about us.
9.45 a.m.	3.30 p.m.	5½	First 5½ hours ebb.	Smooth	N. 2	Fine, cloudy.	---	"	2 steam trawlers and several Dutch craft with us.
4 p.m.	10 p.m.	6	All flood	Smooth	Variable 1.	Fine, cloudy, hazy.	---	"	2 steam trawlers with us.

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot- ing.	Towing.	Haul- ing.	Shoot- ing.	Towing.	Haul- ing.
XXXVI	1	Aug.	3	B (c) 162	Off Ymuiden ..	52° 28½' N., 4° 28' E.	N. 2 miles	52° 30' N., 4° 27½' E	8½	..	9	f.g.s.	..	f.g.s.
"	2	"	"	O 231	Off Egmond ..	52° 31½' N., 4° 27' E.	N.W. by W. 3¼ miles E. ¼ N. 4¼ miles. N. ¼ E. 1¼ miles.	52° 35½' N., 4° 27' E.	9	..	9	f.g.s.	..	f.g.s.
"	3	"	"	B (c) 163	East part of Brown Bank.	53° 2½' N., 3° 45½' E.	E. by N. 2 miles	53° 3½' N., 3° 49' E.	15	..	15	f.g.s.	..	f.d.g.s.
"	4	"	"	O 232	" "	53° 3½' N., 3° 49' E.	N.W. by N. ½ N. 3¼ miles E.S.E. 3½ miles. N.W. ¼ W. 3¼ miles. S.E. by S. 3¼ miles. N.E. 2 miles.	53° 6½' N., 3° 52' E.	15	15	14½	f.d.g.s.	..	f.d.g.s.
"	50	"	9	B 164	East of South end of Well Bank.	53° 4' N., 2° 21½' E.	N.E. 5 miles	53° 8' N., 2° 25' E.	18	20	15	f.d.g.s.	..	f.d.g.s.
"	51	"	"	B 165	" "	53° 8' N., 2° 25' E.	E.N.E. 4 miles	53° 10½' N., 2° 30½' E.	15	..	18	f.d.g.s.	..	d.s., m., & gvl.
"	52	"	"	B 166	Off Smith's Knoll Light-vessel.	52° 53½' N., 2° 16' E.	E. by S. ½ S. 6 miles S. ½ E. 3½ miles.	52° 49½' N., 2° 28½' E.	24	..	21	m. & s.	..	d.s.
"	53	"	9-10	B 167	Knoll Deep ..	52° 49½' N., 2° 28½' E.	S. by W. ½ W. 4½ miles N. ½ E. 6 miles. W. by S. ¼ S. 2½ miles.	52° 51' N., 2° 24½' E.	21	..	23	d.s.	..	m. & s.
XXXVII	1	"	16	B 168	Edge of Lowestoft Deep.	52° 17½' N., 2° 11½' E.	N.E. ½ N. 1¼ miles	52° 19' N., 2° 12½' E.	21	..	19	c.s. & sh.	..	c.s. & sh.
"	2	"	"	B 169	Lowestoft Deep ..	52° 21' N., 2° 14½' E.	N.E. ½ N. 7 miles	52° 27½' N., 2° 19½' E.	23	..	25	c.s. & sh.	..	c.s. & sh.
"	3	"	"	B 170	East of Lowestoft ..	52° 27½' N., 2° 19½' E.	E. ¼ N. 5¼ miles	52° 29½' N., 2° 27½' E.	25	..	26	c.s. & sh.	..	c.s. & sh.
"	5	"	17	B 171	Off Smith's Knoll ..	52° 55½' N., 2° 15' E.	E. by N. ¼ N. 7¾ miles	52° 58½' N., 2° 24' E.	25	..	19	c.s.	..	g.s.
"	7	"	"	B 172	South-east of Well Bank.	52° 58½' N., 2° 24' E.	E. ½ N. 4½ miles	53° 0½' N., 2° 30½' E.	19	..	20	g.s.	..	g.s.
"	9	"	20	B 173	E.N.E. of Outer Gabbard.	52° 11½' N., 2° 33' E.	E. ½ S. 4 miles	52° 12½' N., 2° 39' E.	23	..	24	g.br.s.	..	g.br.s.
"	11	"	"	B 174	Middle Ground ..	52° 20' N., 3° 6' E.	E. ½ N. 3½ miles	52° 21½' N., 3° 10½' E.	20	..	13	g.s.	..	d.g.s.
"	13	"	"	B 175	Winterton Shoal ..	52° 36' N., 3° 2½' E.	N. ¼ E. 2½ miles N.E. ¼ E. 1½ miles. S.W. by W. ¼ W. 3 miles.	52° 38' N., 2° 59½' E.	19	..	20	g.br.s.	..	g.br.s.
"	15	"	21	B 176	Brown Bank ..	53° 1½' N., 2° 55' E.	E. by S. ¼ S. 5½ miles	53° 1' N., 3° 4' E.	17	..	13	g.br.s.	..	g.br.s.
"	17	"	"	B 177	" ..	53° 3' N., 3° 29½' E.	E. by S. ¼ S. 5½ miles S.E. by E. ¼ E. 8½ miles.	53° 1½' N., 3° 52½' E.	15	16	13	f.g.br.s.	..	f.g.s.
"	19	"	"	B 178	North-west of Haaks Light-vessel.	53° 14' N., 3° 52½' E.	S.E. by S. ¼ S. 3½ miles	52° 58½' N., 3° 57½' E.	13	16	13	f.g.s.	f.g.s.	f.g.s.
"	22	"	21-22	B 179	Broad Fourteens, North part.	52° 58½' N., 3° 57½' E.	S. ½ W. 13½ miles	52° 45½' N., 3° 59½' E.	13	..	14	f.g.s.	..	f.g.s.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c. Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
4 a.m.	5 a.m.	1	Last ½ hour flood; first ½ hour ebb.	Smooth	S.E. 3	Fine, hazy.	—	<i>Cyanea lamarecki</i> <i>Portunus holsatus</i> .	R. A. Todd and A. J. Arrowsmith. Small mesh nets round ordinary trawl. (Expt. No. 4.) Several Dutch craft about us.
6 a.m.	10 a.m.	4	Last 4 hours ebb.	Smooth	E.S.E. 2	Fine, hazy.	—	<i>Cyanea lamarecki</i> c. <i>Portunus holsatus</i> c.	Several Dutch craft about us.
4.15 p.m.	5.15 p.m.	1	Last ½ hour flood; first ½ hour ebb.	Smooth	E.S.E. 2	Fine, hazy.	—	<i>Loligo media</i> <i>Portunus holsatus</i> f.c. <i>Asterias rubens</i> f.c. <i>Solea lutea</i> f.c., <i>Arnoglossus</i> sp., f.c., <i>Trachinus vipera</i> c., <i>Callionymus lyra</i> .	Small mesh nets round ordinary trawl (Expt. No. 5.) 2 steam trawlers and several Dutch craft about us.
6 p.m.	Midnight	6	Last 4 hours ebb; first 2 hours flood.	Smooth	S.E. 2	Fine, hazy.	—	<i>Asterias rubens</i> c. <i>Solea lutea</i> .	2 steam trawlers with us.
7.40 a.m.	9.40 a.m.	2	2 hours ebb.	Smooth	N.W. 3	Fine, cloudy.	Ground parted, rope and net torn.	Not recorded	Fish not measured.
10.50 a.m.	12.50 p.m.	2	Fourth and fifth hours ebb.	Smooth	N.W. 4	Fine, cloudy, hazy.	—	"	" Absolutely nothing caught." R.A.T.
3.40 p.m.	7.30 p.m.	3½	Last 4 hours flood.	Moderately smooth.	W. 1	Fine, cloudy.	—	<i>Loligo forbesi</i> c. <i>Eupagurus bernhardus</i> , f.c.	" Moorlog" present. Several trawling smacks around us.
(9th) 8 p.m.	(10th) 1.30 a.m.	5½	First 5½ hours ebb.	Moderately smooth.	S.W. by W. 1-2.	Fine, cloudy.	—	<i>Loligo forbesi</i> f.c. <i>Cancer pagurus</i> .	Several trawling smacks with us.
2.45 p.m.	3.30 p.m.	¾	First hour ebb.	Moderately smooth.	E. 3	Overcast	Had a heavy "pull out" hauled, net slightly damaged.	<i>Alcyonium digitatum</i> <i>Portunus holsatus</i> . <i>Asterias rubens</i> , <i>Solaster papposus</i> , <i>Spatangus purpureus</i> .	G. T. Atkinson, O. W. Mackrill. 2 French trawling smacks with us.
4.15 p.m.	7.15 p.m.	3	From 2nd to 5th hours ebb.	Moderately smooth.	E. by S. 3.	Cloudy, overcast.	—	Very little taken.	
7.40 p.m.	11.40 p.m.	4	Last 2 hours ebb; first 2 hours flood.	Moderately smooth.	S. 1-4	Overcast	Trawl very badly torn, lost part of belly.	Not recorded	No fish. Several trawling smacks about us.
12.45 p.m.	3.45 p.m.	3	Last 3 hours flood.	Moderate	S.E. 5	Dull, thick, rainy.	—	Very little taken	Several trawling smacks about us.
5 p.m.	7 p.m.	2	Third and fourth hours flood.	Moderate	S.W. 5	Heavy clouds.	—	"	2 steam trawlers about us.
4 a.m.	7 a.m.	3	Last 2 hours flood; first hour ebb.	Moderately smooth.	N. 3	Overcast, cloudy.	Trawl very badly torn; lost belly.	Nothing taken	No fish. Several Dutch fishing craft about us.
11.30 a.m.	1.30 p.m.	2	First 2 hours flood.	Moderately smooth.	N. 2	Cloudy, fine.	—	Very little taken.	
4.30 p.m.	8.30 p.m.	4	Last hour flood; 3 hours ebb.	Northerly swell.	Variable 1	Fine, cloudy.	—	<i>Portunus holsatus</i>	2 steam trawlers with us.
4 a.m.	7 a.m.	3	Last 3 hours flood.	Northerly swell.	N. 2	Fine, cloudy.	—	Very little taken	Passed several steam trawlers.
9.30 a.m.	4.30 p.m.	7	Last 4 hours ebb; first 3 hours flood.	Northerly swell.	Variable 2.	Fine, cloudy.	—	Not recorded	Several steam trawlers about us.
4.45 p.m.	6.45 p.m.	2	Fourth and fifth hours flood.	Northerly swell.	N.E. 2	Fine, cloudy.	—	"	
(21st) 7 p.m.	(22nd) 3 a.m.	8	2 hours flood; 6 hours ebb.	Northerly swell.	E.S.E. 3	Fine, cloudy.	—	"	2 steam trawlers and several Dutch fishing craft about us.

Voyages.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot- ing.	Towing.	Haul- ing.	Shoot- ing.	Towing.	Haul- ing.
XXXVII	23	Aug.	22	B 180	Broad Fourteens, middle part.	52° 45' N., 3° 59' E.	S.W. by S. $\frac{3}{4}$ S. 17 miles	52° 29' N., 3° 55' E.	14	..	13 $\frac{1}{2}$	f.g.s.	..	f.g.s.
"	25	"	"	B 181	Broad Fourteens, South part.	52° 30' N., 3° 54' E.	E.S.E. $\frac{3}{4}$ miles	52° 30' N., 4° 1' E.	14	..	13	f.g.s.	..	f.g.s.
"	26	"	"	B 182	"	52° 30' N., 4° 1' E.	N.W. by W. $\frac{3}{4}$ W. 3 $\frac{3}{4}$ miles	52° 30' N., 3° 55' E.	13	..	14	f.g.s.	..	f.g.s.
XXXVIII	1	"	28	B 183	Dogger Bank, South East of South West Patch.	54° 15' N., 2° 44' E.	N.W. 10 $\frac{1}{2}$ miles	54° 21' N., 2° 29' E.	21	16	16 $\frac{1}{2}$	f.d.g.s.	f.d.g.s.	f.d.g.s.
"	2	"	"	B 184	Dogger Bank, East of South West Patch.	54° 28' N., 2° 45' E.	N.E. $\frac{1}{2}$ E. 8 $\frac{3}{4}$ miles	54° 34' N., 2° 54' E.	12 $\frac{1}{2}$	12 $\frac{1}{2}$	13 $\frac{1}{2}$	f.d.g.s. & sh.	f.d.g.s. & sh.	f.d.g.s. & sh.
"	3	"	"	B 185	Dogger Bank, North East of Eastern Shoal.	54° 46' N., 2° 58' E.	N.E. by E. $\frac{3}{4}$ E. 9 miles E. $\frac{1}{4}$ N. 4 $\frac{3}{4}$ miles.	54° 54' N., 3° 18' E.	10 $\frac{1}{2}$	17	17	f.g.s. & sh.	f.g.s. & sh.	f.g.s. & sh.
"	4	"	28-29	B 186	Dogger Bank, middle of South East slope.	54° 54' N., 3° 18' E.	N.E. $\frac{3}{4}$ E. 10 $\frac{1}{2}$ miles	55° 2' N., 3° 28' E.	17	18	19 $\frac{1}{2}$	f.g.s. & sh.	..	f.g.s.
"	5	"	29	B 187	"	55° 2' N., 3° 28' E.	N.E. by E. $\frac{1}{2}$ E. 10 $\frac{1}{2}$ miles	55° 9' N., 3° 40' E.	19 $\frac{1}{2}$	20	19	f.g.s.	..	f.g.s.
"	6	"	"	B(c) 188	Swashway of Dogger	55° 21' N., 4° 11' E.	N.N.E. $\frac{1}{2}$ E. 3 miles	55° 24' N., 4° 12' E.	21	..	19	f.g.s.	..	f.g.s.
"	7	"	"	B 189	South part of Tail End of Dogger.	52° 24' N., 4° 12' E.	N.E. $\frac{1}{2}$ E. 4 $\frac{1}{2}$ miles E. by N. $\frac{3}{4}$ N. 6 miles.	55° 31' N., 4° 25' E.	19	17	16 $\frac{1}{2}$	f.g.s. & sh.	..	f.g.s. & sh.
"	8	"	29-30	B 190	On Tail End of Dogger Bank.	55° 31' N., 4° 25' E.	N. 10 miles	55° 40' N., 4° 21' E.	16 $\frac{1}{2}$	17	18	f.g.s. & sh.	..	f.g.s.
"	10	"	30	B 191	Dogger Bank, West of Swashway.	55° 28' N., 3° 53' E.	W. by S. $\frac{1}{2}$ S. 6 miles	55° 24' N., 3° 44' E.	16	..	16	f.g.s. & sh.	..	f.g.s. & sh.
"	12	"	"	B 192	Dogger Bank, North West of Swashway.	55° 27' N., 3° 42' E.	N. by E. $\frac{1}{2}$ E. 8 miles	55° 35' N., 3° 41' E.	16	17	19	f.g.s. & sh.	..	f.g.s. & sh.
"	14	"	"	B 193	North part of Dogger Bank.	55° 25' N., 3° 30' E.	W.S.W. 4 miles	55° 23' N., 3° 24' E.	17	..	17	f.g.s. & sh.	..	f.g.s. & sh.
"	15	"	31	B 194	Below North edge of Dogger Bank.	55° 30' N., 2° 28' E.	E. by S. 10 miles	55° 30' N., 2° 46' E.	25	24	23	f.g.s. & sh.	..	f.g.s. & sh.
"	18	"	"	B 195	Middle part (E.) of the Dogger Bank.	55° 1' N., 2° 43' E.	W. by S. $\frac{1}{2}$ S. 4 miles	54° 58' N., 2° 38' E.	15	..	13	f.g.s. & sh.	..	f.g.s. & sh.
"	20	"	"	B 196	Middle part (N.W.) of Dogger Bank.	55° 1' N., 2° 19' E.	N. 4 miles W. $\frac{3}{4}$ S. 4 miles.	55° 3' N., 2° 11' E.	13	16	16 $\frac{1}{2}$	f.g.s. & sh.	..	f.g.s. & sh.
"	22	Sept.	1	B 197	Middle part (W.) of Dogger Bank.	54° 50' N., 2° 17' E.	W. $\frac{3}{4}$ S. 7 $\frac{1}{2}$ miles.	54° 47' N., 2° 6' E.	12	..	14 $\frac{1}{2}$	f.g.s. & sh.	..	f.g.s. & sh.
"	24	"	"	B 198	"	54° 44' N., 1° 58' E.	N.W. by N. $\frac{3}{4}$ miles W. $\frac{3}{4}$ S. $\frac{3}{4}$ miles.	54° 45' N., 1° 48' E.	13 $\frac{1}{2}$	14	13	f.g.s. & sh.	..	f.g.s. & sh.

Duration of Haul.			Tide.	Sea.	Weather.		Damages to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
3.30 a.m.	10.30 a.m.	7	Last 5 hours ebb; first 2 hours flood.	Moderate	S.E. 5	Cloudy, tempest.	—		
12.15 p.m.	2.15 p.m.	2	Last 2 hours ebb.	Moderately rough.	E. 6	Fine, cloudy.	—	Very little taken	Large piece of "Moor-log" in trawl.
2.30 p.m.	4.30 p.m.	2	First 2 hours ebb.	Moderately rough.	E. 6	Cloudy, tempest.	—	Not recorded.	
4.30 a.m.	9.30 a.m.	5	Last hour ebb; first 4 hours flood.	Smooth	W. 2	Fine, cloudy.	—	Halichondria panicea v.c. <i>Obelia longissima</i> f.c. <i>Pecten opercularis</i> f.c., <i>Fusus antiquus</i> . <i>Galathea intermedia</i> c. Asterias rubens v. abundant. Ophiothrix fragilis v.c.	J. O. Borley, G. T. Atkinson.
Noon	4 p.m.	4	First 4 hours ebb.	Smooth	S.W. 2	Fine, cloudy.	—	Sponge v. abundant. Obelia longissima , dead v. abundant. <i>Portunus holsatus</i> c. <i>Ophiothrix fragilis</i> c., <i>Asterias rubens</i> f.c.	
6 p.m.	11 p.m.	5	Last 5 hours flood.	Smooth	S.S.W. 2	Fine	—	Halichondria panicea v. abundant. Obelia longissima , dead v. abundant. <i>Fusus antiquus</i> f.c. <i>Paratylus swammerdami</i> c. <i>Ophiothrix fragilis</i> c.	
(28th) 11.30 p.m.	(29th) 4.30 a.m.	5	Last 5 hours ebb.	Smooth	S.W. 4	Cloudy, rainy.	—	Halichondria panicea , abundant, Alcyonidium gelatinosum , v. abundant. <i>Fusus antiquus</i> c. <i>Portunus holsatus</i> f.c. Ophiothrix fragilis v.c.	
5 a.m.	10 a.m.	5	Last hour ebb; first 4 hours flood.	Smooth	S.W. by W. 4	Fine, cloudy, hazy.	—	Halichondria panicea v.c. <i>Alcyonium digitatum</i> f.c. Alcyonidium gelatinosum v. abundant. <i>Fusus antiquus</i> , <i>Pecten opercularis</i> . <i>Eupagurus bernhardus</i> .	2 steam trawlers with us.
2.30 p.m.	4.30 p.m.	2	Nil	Smooth	S.W. by W. 2	Fine, hazy	—	Alcyonium digitatum v.c. Alcyonidium gelatinosum v. abundant. <i>Fusus antiquus</i> c.	Small mesh nets round ordinary trawl (Expt. No. 6). Cod end supported by an oval iron hoop at hinder end.
6 p.m.	11 p.m.	5	Nil	Smooth	S.S.W. 2	Fine, hazy	—	<i>Alcyonidium gelatinosum</i> . <i>Fusus antiquus</i> f.c. <i>Schistomysis ornata</i> c. <i>Asterias rubens</i> c.	
(29th) 11.15 p.m.	(30th) 4.15 a.m.	5	Nil	Smooth	S. 2	Fine, hazy	—	Alcyonidium gelatinosum v. abundant. <i>Fusus antiquus</i> , <i>Loligo forbesi</i> . <i>Eupagurus bernhardus</i> f.c.	Several Norwegian mackerel smacks about us.
7.30 a.m.	10.30 a.m.	3	Nil	Smooth	S.S.E. 3	Fine	—	<i>Obelia longissima</i> c. Alcyonidium gelatinosum v. abundant. <i>Flustra securifrons</i> c. <i>Doris pilosa</i> f.c., <i>Fusus antiquus</i> , <i>Loligo forbesi</i> . <i>Caprella linearis</i> c., <i>Paratylus swammerdami</i> f.c. Asterias rubens v.c.	
Noon	4 p.m.	4	Nil	Smooth	S.E. by S. 4	Fine, cloudy.	—	Alcyonidium gelatinosum v. abundant. <i>Flustra securifrons</i> c. <i>Fusus antiquus</i> f.c. <i>Caprella linearis</i> c. <i>Asterias rubens</i> c.	
7.15 p.m.	9.15 p.m.	2	Nil	Moderately smooth.	S.E. by E. 4	Fine, cloudy.	—	Alcyonidium gelatinosum v. abundant. <i>Fusus antiquus</i> , <i>Loligo forbesi</i> .	
4.15 a.m.	9.15 a.m.	5	Nil	Moderately smooth.	S.E. 4	Fine, hazy	—	Alcyonidium gelatinosum v. abundant. <i>Pecten opercularis</i> , <i>Fusus antiquus</i> .	Net cut to let out "curly weed" (a. gelatinosum), some fish escaped.
3.30 p.m.	5.30 p.m.	2	Third and fourth hours ebb.	Smooth	S.W. 1	Dull, rain.	—	<i>Eupagurus bernhardus</i> f.c. Asterias rubens , abundant.	
7.30 p.m.	11.30 p.m.	4	First 4 hours flood.	Smooth	Variable 1	Overcast	—	Alcyonidium gelatinosum , abundant. <i>Pecten opercularis</i> f.c. <i>Portunus holsatus</i> f.c., <i>Cancer pagurus</i> . Asterias rubens v.c.	
4.30 a.m.	7.30 a.m.	3	Last 2 hours ebb; first hour flood.	Northerly swell.	Variable 2	Dull, thick, rain.	—	<i>Obelia geniculata</i> c. Alcyonidium gelatinosum v.c. <i>Fusus antiquus</i> , <i>Pecten opercularis</i> . <i>Echinus</i> sp. c.	
9.30 a.m.	1.30 p.m.	4	Last 3 hours flood; first hour ebb.	Moderately rough.	N.N.E. 5	Overcast, cloudy, rain.	—	Alcyonidium gelatinosum v. abundant. Galathea intermedia v.c.	Net out to let out weed.

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot- ing.	Tow- ing.	Haul- ing.	Shoot- ing.	Tow- ing.	Haul- ing.
XXXVIII	25	Sept.	1	B 199	West part of South West Patch of Dogger.	54° 32½' N., 1° 46' E.	S. by W. 6½ miles	54° 26½' N., 1° 46½' E.	10	9	17	f.g.s. & sh.	..	f.g.s. & sh.
"	26	"	2	B 200	North part of Leman Ground.	53° 46' N., 2° 34' E.	S. by E. ½ E. 8 miles	53° 39' N., 2° 39½' E.	19	..	19	f.d.g.s.	..	f.d.g.s.
"	28	"	"	B 201	Leman Ground ..	53° 36' N., 2° 39½' E.	S.E. by S. 9 miles	53° 31' N., 2° 50½' E.	18	17	17	f.d.g.s.	..	f.d.g.s.
"	29	"	2-3	B 202	East part of Leman Ground.	53° 29' N., 2° 51½' E.	S.E. 11½ miles	53° 22' N., 3° 10½' E.	17	16	15	f.d.s. & oz.	..	f.d.g.s.
"	30	"	3	B(c) 203	Brown Bank, North West part.	53° 19½' N., 3° 14' E.	S.E. ½ E. 2½ miles	53° 18' N., 3° 19' E.	14	..	14	f.d.g.s.	..	f.d.g.s.
XXXIX	1	"	15	B 204	Outer Sylt	54° 52½' N., 7° 21' E.	N.W. 2 miles	54° 53½' N., 7° 18' E.	12½	..	14	l.s.	..	l.s.
"	3	"	"	B 205	West of Horn Reef..	55° 12½' N., 7° 17½' E.	N.N.W. 3 miles	55° 14½' N., 7° 15' E.	12	..	14	f.g.s.	..	f.d.g.s.
"	5	"	16	B 206	White Bank	54° 55½' N., 6° 13½' E.	W. by S. ½ S. 3½ miles	54° 54½' N., 6° 9' E.	22	..	22	s. & m.	..	s. & m.
"	7	"	"	O 233	Horn Reef Outer ..	55° 28' N., 6° 34' E.	N. 1½ miles W ¾ S. 7½ miles.	55° 25½' N., 6° 20½' E.	21	..	24½	s. & oz.	..	s. & oz.
"	8	"	"	O 234	West part of Horn Reef Outer.	55° 25½' N., 6° 20½' E.	W. by N. ¼ N. 10 miles	55° 26½' N., 6° 31' E.	24½	..	25	s. & oz.	..	s. & m.
"	9	"	"	O 235	West of Horn Reef Outer.	55° 26½' N., 6° 2' E.	W. ½ N. 7½ miles N. by E. ¼ E. 2½ miles.	55° 29' N., 5° 50½' E.	25	..	26	s. & m.	..	s. & m.
"	10	"	17	O 236	"	55° 29' N., 5° 50½' E.	E.S.E. 10½ miles	55° 27½' N., 6° 9' E.	26	..	26	s. & m.	..	s. & m.
"	11	"	"	O 237	West part of Horn Reef Outer.	55° 27½' N., 6° 9' E.	E. by S. ½ S. 2½ miles W. ¾ N. 8½ miles.	55° 27' N., 5° 58½' E.	26	..	26	s. & m.	..	s. & m.
"	12	"	"	O 238	West of Horn Reef Outer.	55° 28' N., 5° 57½' E.	S.W. by W. ¾ W. 9½ miles	55° 23' N., 5° 45' E.	26	..	25½	s. & m.	..	f.g.s. & oz.
"	13	"	"	O 239	"	55° 23' N., 5° 45' E.	E. by N. 9½ miles	55° 26½' N., 6° 0' E.	25½	..	26½	f.g.s. & oz.	..	s. & m.
"	14	"	"	O 240	"	55° 26½' N., 6° 0' E.	W. by S. ½ S. 5 miles E. by N. 6½ miles.	55° 27½' N., 6° 3½' E.	25½	..	26½	f.g.s.	..	s. & m.
"	15	"	18	O 241	West part of Horn Reef Outer.	55° 27½' N., 6° 3½' E.	N.W. ½ W. 2½ miles S.S.W. 3 miles. N.E. by E. ¾ E. 5 miles.	55° 28½' N., 6° 6½' E.	26½	..	26½	s. & m.	..	s. & m.
"	16	"	"	O 242	West of Horn Reef Outer.	55° 28½' N., 6° 6½' E.	N.W. by N. 7½ miles N.N.E. 2½ miles.	55° 36½' N., 5° 58' E.	26½	..	26½	s.m.	..	s.m.
"	17	"	"	O 243	"	55° 39½' N., 5° 57' E.	S.S.W. 7½ miles E. by N. 3½ miles.	55° 33' N., 6° 0' E.	27	..	26½	s.m.	..	s.m.
"	18	"	"	O 244	"	55° 33' N., 6° 0' E.	S.W. ¾ W. 9 miles	55° 26½' N., 5° 50½' E.	26½	..	25	s.m.	..	f.g.s. & oz.
"	19	"	19	O 245	West part of Horn Reef Outer.	55° 18½' N., 6° 14½' E.	N.E. ¼ E. 8½ miles	55° 28' N., 6° 23' E.	22	..	26	f.g.s. & oz.	..	s. & oz.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun. Rain, &c.			
3.30 p.m.	5.30 p.m.	2	Last 2 hours ebb.	Rough	N. by W. 6.	Dull, rain	Lost cod end, full of curly weed.	Nothing taken.	
11.30 a.m.	3.30 p.m.	4	Last 3 hours flood; first hour ebb.	Moderate swell.	N.W. 3	Fine, cloudy.	—	<i>Pecten opercularis</i> c. <i>Cancer pagurus</i> , <i>Asterias rubens</i> , small, c., <i>Ophiura albida</i> f.c., <i>Ophiura ciliaris</i> .	1 steam trawler with us.
5 p.m.	10 p.m.	5	Last 3 hours ebb; first 2 hours flood.	Smooth	W. 3	Fine, small clouds.	—	<i>Actinoloba dianthus</i> c., <i>Alecyonium digitatum</i> f.c. <i>Eupagurus bernhardus</i> f.c., <i>Cancer pagurus</i> , <i>Asterias rubens</i> v.c.	" "
(2nd) 11.30 p.m.	(3rd) 4.30 a.m.	5	Last 4 hours flood; first hour ebb.	Moderately smooth.	S.S.W. 4.	Overcast	—	<i>Alecyonium digitatum</i> c., <i>Actinoloba dianthus</i> f.c. <i>Fusus antiquus</i> , <i>Portunus holsatus</i> f.c. <i>Asterias rubens</i> v.c., <i>Astropecten irregularis</i> .	" "
6 a.m.	7.30 a.m.	1½	Fourth and fifth hours ebb.	Moderate	S.S.W. 5.	Dull, rain	—	<i>Alecyonium digitatum</i> , large <i>Fusus antiquus</i> , <i>Portunus holsatus</i> v.c. <i>Asterias rubens</i> c., <i>Trachinus vipera</i> c., <i>Solea lutea</i> , <i>Arnoglossus</i> sp., <i>Callionymus lyra</i> .	Small mesh nets round ordinary trawl (Expt. No. 7); cod-end supported by an oval iron hoop at hinder end.
1.45 p.m.	2.45 p.m.	1	Fifth hours flood.	Moderate	E.S.E. 5	Cloudy	—	Not recorded; no Naturalists on board . .	C. W. Dance.
6.15 p.m.	7.45 p.m.	1½	Fourth and fifth hours ebb.	Moderate	E.S.E. 4	Cloudy	—	" " "	" " "
4.45 a.m.	6.15 a.m.	1½	Second and third hours ebb.	Smooth	S.E. by E. 3.	Fine, cloudy.	—	" " "	" " "
11 a.m.	3 p.m.	4	Last 4 hours flood.	Smooth	E.S.E. 3	Fine, small clouds.	—	" " "	" " "
3.30 p.m.	7.30 p.m.	4	First 4 hours ebb.	Smooth	S.E. by E. 3.	Fine, small clouds.	—	<i>Nephrops norvegicus</i> v. abundant (ca. 1,000). <i>Cyclopterus lumpus</i> .	" " "
8 p.m.	Midnight	4	Last 2 hours ebb; first 2 hours flood.	Moderately smooth.	S.E. 4	—	—	Not recorded; no Naturalists on board . .	Sighted one steam trawling fleet.
12.30 a.m.	4.30 a.m.	4	Last 4 hours flood.	Moderately smooth.	S.E. 4	Fine, small clouds.	—	" " "	Hauled with Great Northern fleet.
5 a.m.	9 a.m.	4	From second to fifth hours ebb.	Moderately smooth.	S.E. by S. 4.	Fine, small clouds.	Net slightly torn	" " "	With Great Northern fleet.
10 a.m.	2 p.m.	4	First 4 hours flood.	Moderately smooth.	S.S.E. 4	Fine, light clouds.	—	" " "	" " "
2.40 p.m.	6.40 p.m.	4	Last 2 hours flood; first 2 hours ebb.	Moderately smooth.	S.E. 3	Fine, light clouds.	—	" " "	" " "
7 p.m.	11.30 p.m.	4½	Last 3 hours ebb; first 1½ hours flood.	Moderate	S.S.E. 3	Fine, cloudy.	Belly torn . .	" " "	" " "
12.30 a.m.	5 a.m.	4½	Last 4½ hours flood.	Moderate	S.S.E. 4	Fine, cloudy.	Belly torn . .	" " "	" " "
6 a.m.	10 a.m.	4	Second to fifth hours ebb.	Moderate	S.S.E. 4	Fine, cloudy.	Belly torn . .	" " "	" " "
11.30 a.m.	4 p.m.	4½	Last ½ hour ebb; first 4 hours flood.	Moderate	S.S.E. 5	Fine, cloudy.	Belly torn . .	" " "	" " "
4.45 p.m.	9 p.m.	4½	First 4 hours ebb.	Rough	S.S.E. 6	Fine, cloudy.	Net torn badly when hauling.	" " "	" " "
8 a.m.	11.30 a.m.	3½	From 2 to 4½ hours ebb.	Moderate	S.E. 3	Fine, light clouds.	Belly torn . .	" " "	" " "

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot-ing.	Towing.	Haul-ing.	Shoot-ing.	Towing.	Haul-ing.
XXXIX	20	Sept.	19	O 246	West part of Horn Reef Outer.	55° 26' N., 6° 23' E.	W. by N. 12 miles	55° 25' N., 6° 21' E.	26	..	23	s. & oz.	..	s. & oz.
"	21	"	"	B 207	" "	55° 25' N., 5° 55' E.	E. by S. 10 miles	55° 25' N., 6° 11' E.	23	..	26	f.g.s.	..	s. & m.
"	22	"	19-20	B 208	" "	55° 25' N., 6° 11' E.	W. by N. $\frac{1}{2}$ N. 11 $\frac{1}{2}$ miles	55° 26 $\frac{1}{4}$ ' N., 5° 50 $\frac{3}{4}$ ' E.	26	..	25	s.m.	..	s. & oz.
"	23	"	20	B 209	South East of Tail End of Dogger Bank.	55° 26 $\frac{1}{4}$ ' N., 5° 30 $\frac{1}{4}$ ' E.	S.W. by W. $\frac{1}{4}$ W. 9 miles	55° 20 $\frac{1}{2}$ ' N., 5° 38 $\frac{1}{2}$ ' E.	25	..	23	s. & oz.	..	s. & oz.
"	24	"	"	B 210	" "	55° 20 $\frac{1}{2}$ ' N., 5° 38 $\frac{1}{2}$ ' E.	W. 11 $\frac{1}{2}$ miles	55° 19' N., 5° 19 $\frac{1}{2}$ ' E.	23	..	23	s. & oz.	..	f.d.s. & oz.
"	25	"	"	B 211	" "	55° 19' N., 5° 19 $\frac{1}{2}$ ' E.	W.S.W. 9 miles	55° 13 $\frac{1}{2}$ ' N., 5° 6 $\frac{1}{2}$ ' E.	23	..	23	f.d.s. & oz.	..	f.d.s. & oz.
"	26	"	"	B 212	" "	55° 13 $\frac{1}{2}$ ' N., 5° 6 $\frac{1}{2}$ ' E.	S.S.W. 4 $\frac{1}{2}$ miles N. by W. 4 $\frac{1}{2}$ miles.	55° 13' N., 5° 21' E.	23	..	25	f.d.s. & oz.	..	f.s. & oz.
XL	1	"	27	B 213	Extreme South of Leman Ground.	53° 6 $\frac{1}{2}$ ' N., 2° 51 $\frac{1}{2}$ ' E.	S.W. 5 $\frac{1}{2}$ miles	53° 2' N., 2° 47' E.	17	..	15	f.d.g.s.	..	f.d.g.s.
"	2	"	27-28	B 214	" "	53° 2' N., 2° 47' E.	N.E. by N. 9 miles	53° 11' N., 2° 50 $\frac{1}{2}$ ' E.	15	..	16	f.d.g.s.	..	f.d.g.s.
"	4	"	28	B 215	South East part of Leman Ground.	53° 10 $\frac{1}{2}$ ' N., 2° 54 $\frac{3}{4}$ ' E.	E. $\frac{1}{2}$ S. 4 $\frac{1}{2}$ miles	53° 11 $\frac{1}{2}$ ' N., 3° 1 $\frac{1}{2}$ ' E.	17	..	17	f.d.s.	..	f.d.s.
"	5	"	"	B 216	" "	53° 11 $\frac{1}{2}$ ' N., 3° 1 $\frac{1}{2}$ ' E.	W. by N. $\frac{1}{2}$ N. 3 $\frac{1}{2}$ miles	53° 11 $\frac{1}{4}$ ' N., 2° 56 $\frac{1}{4}$ ' E.	17	..	17	f.d.s.	..	f.d.s.
"	8	"	"	B 217	South East of Swarte Bank.	53° 10 $\frac{1}{2}$ ' N., 2° 55' E.	N.W. by N. $\frac{1}{2}$ N. 6 miles	53° 16 $\frac{1}{2}$ ' N., 2° 46' E.	17	..	16	f.d.s.	..	f.d.s.
"	10	"	"	B 218	East of Swarte Bank	53° 17 $\frac{1}{2}$ ' N., 2° 43 $\frac{3}{4}$ ' E.	N.W. by N. $\frac{1}{2}$ N. 6 $\frac{3}{4}$ miles	53° 21 $\frac{1}{2}$ ' N., 2° 35 $\frac{3}{4}$ ' E.	16	..	16	f.d.s.	..	f.d.s.
"	11	"	"	B 219	" "	53° 21 $\frac{1}{2}$ ' N., 2° 35 $\frac{3}{4}$ ' E.	N. by W. $\frac{3}{8}$ W. 5 $\frac{1}{2}$ miles	53° 26' N., 2° 31 $\frac{1}{2}$ ' E.	16	..	15	f.d.s.	..	f.d.s.
"	13	"	29	B 220	Leman Ground ..	53° 26' N., 2° 31 $\frac{3}{4}$ ' E.	N. $\frac{3}{4}$ W. 5 $\frac{1}{2}$ miles S. by E. $\frac{3}{4}$ E. 8 miles.	53° 26 $\frac{1}{4}$ ' N., 2° 34 $\frac{1}{4}$ ' E.	15	12	15	f.d.s.	f.spks.	f.d.s.
"	14	"	"	B 221	" "	53° 25 $\frac{1}{4}$ ' N., 2° 34 $\frac{3}{4}$ ' E.	S.E. 5 miles N. $\frac{1}{4}$ E. 7 $\frac{1}{2}$ miles.	53° 29 $\frac{3}{4}$ ' N., 2° 39' E.	15	17	14	f.d.s.	f.d.s.	f.d.s.
"	17	"	30	B 222	Lynn Deep	52° 59 $\frac{1}{2}$ ' N., 0° 22 $\frac{3}{4}$ ' E.	N.E. by N. 1 $\frac{1}{2}$ miles S.W. $\frac{1}{4}$ S. 1 $\frac{1}{2}$ miles.	52° 59 $\frac{1}{2}$ ' N., 0° 22 $\frac{1}{4}$ ' E.	15	19	15	d.c.s. & ross.	..	d.c.s. & ross.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna,	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
Noon.	4.15 p.m.	4½	Last hour ebb; first 3 hours flood.	Moderately smooth.	S.E. by S. 3.	Fine, light clouds.	Belly torn	Not recorded; no Naturalist on board	With Great Northern fleet.
4.45 p.m.	10 p.m.	5½	Last 2 hours flood; first 3 hours ebb.	Moderately smooth.	S. 3	Fine, light clouds.	—	" " "	With Great Northern fleet.
(19th) 10.30 p.m.	(20th) 3.30 a.m.	5	Last 3 hours ebb; first 2 hours flood.	Moderately smooth.	S. 3	Fine, light clouds.	—	" " "	Fish not measured.
4.15 a.m.	8.45 a.m.	4½	Last 4 hours flood; first ½ hour ebb.	Moderately smooth.	S. 3	Fine, light clouds.	—	" " "	
9.15 a.m.	2 p.m.	4½	Last 5 hours ebb.	Moderately smooth.	S. 3	Fine, light clouds.	—	" " "	1 steam trawler with us.
2.30 p.m.	6.30 p.m.	4	First 4 hours flood.	Moderately smooth.	S.E.	Fine, cloudy.	—	" " "	Saw Red Cross fleet's rocket S.W. of us
7 p.m.	11 p.m.	4	Last hour flood; first 3 hours ebb.	Moderately rough.	S.E. by E. 4.	Fine, cloudy	—	" " "	With Red Cross fleet.
7.45 p.m.	9.30 p.m.	1½	Second and third hours flood.	Smooth.	E.S.E. 3	Fine, hazy.	—	<i>Obelia geniculata</i> c. <i>Eupagurus bernhardus</i> f.c., <i>Portunus holsatus</i> . <i>Asterias rubens</i> , <i>Astropecten irregularis</i> , <i>Ophiura ciliaris</i> . <i>Trachinus vipera</i> f.c.	W. Wallace, R. A Todd. Several drifters about us.
(27th) 10 p.m.	(28th) 2.30 a.m.	4½	Last 3 hours flood; first 2 hours ebb.	Smooth.	E.S.E. 3	Fine, hazy.	—	<i>Alcyonidium gelatinosum</i> <i>Loligo forbesi</i> . <i>Eupagurus bernhardus</i> f.c., <i>Portunus holsatus</i> f.c., <i>Cancer pagurus</i> . <i>Asterias rubens</i> , <i>Astropecten irregularis</i> .	Several drifters about us.
5.30 a.m.	7.30 a.m.	2	Last hour ebb; first hour flood.	Smooth.	E.S.E. 3	Fine, hazy.	—	<i>Obelia geniculata</i> c. <i>Sabellaria spinulosa</i> . <i>Henricia sanguinolenta</i> f.c., <i>Ophiura ciliata</i> , <i>Asterias rubens</i> , <i>Astropecten irregularis</i> .	1 trawling smack and 1 steam drifter about us.
8 a.m.	10 a.m.	2	Second and third hours flood.	Smooth.	E.S.E. 4	Fine, light clouds.	—	<i>Eupagurus bernhardus</i> <i>Astropecten irregularis</i> c., <i>Ophiura ciliaris</i> f.c., <i>Asterias rubens</i> .	1 trawling smack with us
11 a.m.	1 p.m.	2	2 last hours flood.	Smooth.	E. by S. 4	Fine, light clouds.	—	<i>Actinoloba dianthus</i> on <i>Buccinum</i> . <i>Loligo forbesi</i> . <i>Eupagurus bernhardus</i> , <i>Portunus holsatus</i> . <i>Asterias rubens</i> c., <i>Astropecten irregularis</i> f.c., <i>Ophiura ciliaris</i> f.c.	
2 p.m.	4 p.m.	2	Second and third hours ebb.	Smooth.	E. 4	Fine, cloudy, hazy.	—	<i>Actinoloba dianthus</i> , <i>Alcyonium digitatum</i> . <i>Buccinum undatum</i> and spawn, <i>Fusus antiquus</i> and spawn. <i>Eupagurus bernhardus</i> c. <i>Asterias rubens</i> f.c., <i>Astropecten irregularis</i> . <i>Solea lutea</i> .	
4.15 p.m.	6.15 p.m.	2	2 last hours ebb.	Smooth.	N.E. by E. 4.	Fine, cloudy, hazy.	—	<i>Alcyonium digitatum</i> . <i>Fusus antiquus</i> , <i>Loligo forbesi</i> . <i>Eupagurus bernhardus</i> . <i>Astropecten irregularis</i> , <i>Ophiura ciliaris</i> .	
5.45 a.m.	10.45 a.m.	5	Last hour ebb; first 4 hours flood.	Moderately smooth.	N.E. by E. 4.	Fine, light clouds, hazy.	—	<i>Buccinum undatum</i> , <i>Loligo forbesi</i> <i>Asterias rubens</i> , <i>Astropecten irregularis</i> , <i>Echinus millaris</i> .	1 steam trawler with us
11.15 a.m.	4.15 p.m.	5	Last hour flood; first 4 hours ebb.	Moderately rough.	N.E. 4	Fine, cloudy.	—	<i>Actinoloba dianthus</i> , f.c. on <i>Buccinum</i> and <i>Fusus</i> . <i>Alcyonium digitatum</i> . <i>Buccinum undatum</i> , <i>Fusus antiquus</i> and spawn. <i>Eupagurus bernhardus</i> f.c. <i>Astropecten irregularis</i> f.c., <i>Asterias rubens</i> .	
1.30 p.m.	3 p.m.	1½	Last of ebb.	Smooth.	S.W. by S. 5.	Dull, thick rain.	Ground rope parted, net badly torn.	<i>Hydrallmania falcata</i> f.c., <i>Sertularia abietina</i> f.c. <i>Flustra foliacea</i> f.c. <i>Buccinum undatum</i> , <i>Dendronotus arborescens</i> . <i>Cancer pagurus</i> , <i>Eupagurus bernhardus</i> , <i>Stenohynchus phalangium</i> . <i>Asterias rubens</i> , <i>Ophiothrix fragilis</i> .	

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot-ing.	Towing.	Haul-ing.	Shoot-ing.	Towing.	Haul-ing.
XL	34	Oct.	3	B 223	Lynn Deep	52° 56 $\frac{1}{2}$ ' N., 0° 16 $\frac{1}{2}$ ' E.	E.N.E. 2 $\frac{1}{2}$ miles	52° 58 $\frac{1}{2}$ ' N., 0° 19 $\frac{1}{2}$ ' E.	13	..	13	c.s. & m.	..	c.s. & m.
"	41	"	4	B 224	Off Sutton	53° 14 $\frac{1}{2}$ ' N., 0° 21 $\frac{1}{2}$ ' E.	N.E. $\frac{3}{4}$ N. 4 $\frac{1}{2}$ miles	53° 19' N., 0° 25 $\frac{1}{2}$ ' E.	5	..	9	s. & gvl.	..	s. & gvl.
"	42	"	5	B 225	Off Mablethorpe ..	53° 19' N., 0° 18' E.	S.E. 2 miles	53° 18' N., 0° 21 $\frac{1}{2}$ ' E.	5	..	7	s.m.	..	s.m.
"	44	"	"	B 226	"	53° 21 $\frac{1}{2}$ ' N., 0° 19 $\frac{1}{2}$ ' E.	N.E. $\frac{3}{4}$ N. 3 miles W. by N. 1 mile. S.E. $\frac{1}{2}$ mile.	53° 24 $\frac{1}{2}$ ' N., 0° 21' E.	7	..	8	s.gvl.	..	s.gvl.
"	45	"	"	B 227	Off Inner Dowsing Light-vessel.	53° 19 $\frac{3}{4}$ ' N., 0° 35 $\frac{1}{2}$ ' E.	E. by N. $\frac{3}{4}$ N. 4 $\frac{1}{2}$ miles	53° 22 $\frac{3}{4}$ ' N., 0° 40 $\frac{1}{2}$ ' E.	11 $\frac{1}{2}$	..	14	c.s.	..	s.c. & m.
"	47	"	"	B 228	South end of Little Silver Pit.	53° 22 $\frac{3}{4}$ ' N., 0° 42' E.	W.S.W. 1 $\frac{1}{2}$ miles N. by E. $\frac{3}{4}$ E. 2 $\frac{3}{4}$ miles.	53° 24 $\frac{1}{2}$ ' N., 0° 41' E.	18	..	40	c.s. & m.	..	m.
XLI	1	"	15	B 229	Flamborough Head Ground.	54° 7' N., 0° 11 $\frac{1}{2}$ ' E.	E. by N. $\frac{1}{2}$ N. 3 miles	54° 9' N., 0° 15 $\frac{1}{2}$ ' E.	27	..	28	c.s. & gvl.	..	c.s. & gvl.
"	5	"	16	B 230	Flamborough Off ..	54° 9 $\frac{3}{4}$ ' N., 0° 29' E.	S.E. $\frac{1}{4}$ E. 5 $\frac{1}{2}$ miles	54° 7' N., 0° 37 $\frac{1}{2}$ ' E.	30	..	30	f.g.s. & sh.	..	f.g.s. & sh.
"	6	"	"	B 231	"	54° 8 $\frac{3}{4}$ ' N., 0° 38' E.	E. by S. $\frac{3}{4}$ S. 3 $\frac{1}{2}$ miles N. by E. $\frac{3}{4}$ E. 1 $\frac{1}{2}$ miles.	54° 9 $\frac{3}{4}$ ' N., 0° 43 $\frac{1}{2}$ ' E.	30	..	29	f.g.s. & sh.	..	g.spk.s. & sh.
"	7	"	"	B 232	"	54° 9 $\frac{3}{4}$ ' N., 0° 43 $\frac{1}{2}$ ' E.	S.S.W. 2 $\frac{3}{4}$ miles E. $\frac{1}{2}$ N. 1 $\frac{1}{2}$ miles.	54° 7 $\frac{1}{2}$ ' N., 0° 45 $\frac{1}{2}$ ' E.	29	..	28	g.spk.s. & sh.	..	g.br.s.
"	11	"	18	B 233	"	54° 4 $\frac{3}{4}$ ' N., 0° 41' E.	E. by S. $\frac{3}{4}$ S. 5 miles	54° 3 $\frac{3}{4}$ ' N., 0° 50' E.	30	..	25	g.spk.s.	..	g.spk.s.
"	12	"	"	B 234	"	54° 9 $\frac{1}{4}$ ' N., 0° 50 $\frac{1}{2}$ ' E.	E. by N. 5 miles	54° 11 $\frac{1}{4}$ ' N., 0° 58 $\frac{1}{2}$ ' E.	25	..	27	g.s. & sh.	..	g.spk.s.
"	13	"	"	B 235	"	54° 11 $\frac{1}{2}$ ' N., 0° 58 $\frac{1}{2}$ ' E.	S. $\frac{1}{2}$ E. 4 $\frac{1}{2}$ miles	54° 7 $\frac{3}{4}$ ' N., 1° 1' E.	27	..	25 $\frac{1}{2}$	g.spk.s.	..	d.g.s.
"	14	"	"	B 236	"	54° 7 $\frac{3}{4}$ ' N., 1° 1' E.	S.W. $\frac{1}{2}$ S. 3 miles E. by N. 1 $\frac{1}{4}$ miles.	54° 6' N., 1° 1 $\frac{1}{4}$ ' E.	25 $\frac{1}{2}$	..	26	d.g.s.	..	d.g.s.
"	15	"	"	B 237	"	54° 6' N., 1° 1 $\frac{1}{4}$ ' E.	S. $\frac{3}{4}$ W. 3 $\frac{1}{2}$ miles N.W. by W. 1 mile.	54° 3' N., 1° 0' E.	26	..	23	d.g.s.	..	d.g.s.
"	16	"	19	B 238	"	54° 2 $\frac{3}{4}$ ' N., 1° 3' E.	E. by S. $\frac{1}{2}$ S. 2 miles W. $\frac{1}{4}$ S. 2 $\frac{1}{2}$ miles.	54° 2' N., 1° 2 $\frac{1}{2}$ ' E.	26	..	26	g.s. & m.	..	g.s. & m.
"	17	"	"	B 239	"	54° 2' N., 1° 2 $\frac{1}{2}$ ' E.	W. $\frac{3}{4}$ S. 4 miles N.E. $\frac{1}{2}$ N. 1 mile.	54° 1 $\frac{3}{4}$ ' N., 0° 57 $\frac{1}{2}$ ' E.	26	..	26 $\frac{1}{2}$	g.s. & m.	..	g.s. & m.
"	18	"	"	O 247	Dogger Bank, South East of South West Patch.	54° 18 $\frac{1}{2}$ ' N., 2° 30 $\frac{1}{2}$ ' E.	N. $\frac{1}{2}$ E. 5 miles S. by W. 4 $\frac{3}{4}$ miles.	54° 18 $\frac{1}{2}$ ' N., 2° 30' E.	17	16	17	g.s. & sh.	g.s. & sh.	g.s. & sh.
"	19	"	20	O 248	"	54° 18 $\frac{3}{4}$ ' N., 2° 30' E.	W. by N. 2 $\frac{3}{4}$ miles S.E. by S. $\frac{1}{2}$ S. 3 $\frac{1}{2}$ miles. N. by W. $\frac{3}{8}$ W. 5 miles.	54° 20' N., 2° 25' E.	17	17	18	g.s. & sh.	g.s. & sh.	s. & gvl.

I. PARTICULARS OF STATIONS.

Duration of Haul.			Tide.	Sea	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
1.15 p.m.	2.5 p.m.	1 1/2	Third hour ebb.	Smooth	E.N.E. 2.	Fine, light clouds.	Came fast to wreck; lost trawl.	<i>Sertularia abietina</i> f.c., <i>Hydrallmania falcata</i> , <i>Vesicularia spinosa</i> v.c., <i>Flustra foliacea</i> , <i>Thelepus cincinnatus</i> , <i>Asterias rubens</i> .	
1.30 p.m.	3.20 p.m.	1 1/2	Second and third hours ebb.	Moderately smooth.	S.W. by S. 5.	Overcast, hazy.	Had a pull out, hove up, net badly torn.	<i>Hydrallmania falcata</i> f.c. <i>Vesicularia spinosa</i> v.c., <i>Gemellaria loricata</i> c. <i>Flustra foliacea</i> f.c., <i>Sabellaria spinulosa</i> c., <i>Eupagurus bernhardus</i> , <i>Asterias rubens</i> .	
6.45 a.m.	7.45 a.m.	1	Last hour ebb.	Smooth	W. by S. 4.	Cloudy, hazy.	—	Very little taken.	
9.15 a.m.	11.15 a.m.	2	Third and fourth hours flood.	Smooth	W. by S. 4.	Fine, cloudy, hazy.	—	<i>Flustra foliacea</i> f.c., <i>Buccinum undatum</i> , <i>Loitgo forbesi</i> , <i>Eupagurus bernhardus</i> , <i>Ophiotrix fragilis</i> .	
1.30 p.m.	3.30 p.m.	2	Fourth and fifth hours flood.	Moderately smooth.	S.W. by W. 6.	Dull, hazy	—	<i>Sabellaria spinulosa</i> v.c., <i>Pecten opercularis</i> , <i>Eupagurus bernhardus</i> , <i>Homarus vulgaris</i> , <i>Hyas coarctatus</i> , <i>Asterias rubens</i> , <i>Henricia sanguinolenta</i> , <i>Ophiotrix fragilis</i> , <i>Solaster papposus</i> .	
4 p.m.	6 p.m.	2	Last hour flood; first hour ebb.	Rough	S.W. by W. 6.	Cloudy, rain.	Belly badly torn	<i>Pecten opercularis</i>	2 steam trawlers about us.
4.45 p.m.	6 p.m.	1 1/2	First hour flood.	Smooth	S. 3	Fine, cloudy.	Belly badly chafed.	<i>Pecten opercularis</i> , abundant	G. T. Atkinson, O. D. Atkinson. Several drifters about.
8.15 a.m.	10.15 a.m.	2	Last 2 hours flood.	Moderately smooth.	S.S.W. 5.	Hazy, overcast.	Broke fore roller. Net slightly torn.	Quantities not recorded.	
11.15 a.m.	1.15 p.m.	2	First 2 hours ebb	Moderately rough.	S.S.W. 5.	Hazy, overcast.	—	" "	2 steam trawlers with us.
1.40 p.m.	3.40 p.m.	2	Fourth and fifth hours ebb.	Moderately rough.	S.W. by S. 6.	Dull, thick rain.	—	<i>Cancer pagurus</i>	1 steam trawler with us.
8 a.m.	10 a.m.	2	Second and third hours flood.	Moderately smooth.	N.N.E. 2.	Overcast, cloudy.	—	Not recorded	No fish. 1 steam trawler with us.
11 a.m.	1 p.m.	2	Last 2 hours flood.	Moderately smooth.	W. 2	Cloudy, fine, hazy.	—	Very little taken.	
1.30 p.m.	3.30 p.m.	2	First 2 hours flood.	Smooth	Variable 1-2.	Overcast, hazy.	Belly torn ..	Quantities not recorded.	
4.15 p.m.	6.15 p.m.	2	Fourth and fifth hours ebb.	Smooth	Variable 1-2.	Overcast, hazy.	—	<i>Cancer pagurus</i> .	
6.45 p.m.	8.45 p.m.	2	Last hour ebb; first hour flood.	Smooth	Variable 1-2.	Overcast, hazy.	—	<i>Cancer pagurus</i>	Several drifters about us.
6.45 a.m.	8.45 a.m.	2	Last hour ebb; first hour flood.	Smooth	W.S.W. 3	Overcast, hazy.	—	Quantities not recorded	Several drifters about us.
9.15 a.m.	11.15 a.m.	2	Second and third hour flood.	Smooth	W. 2	Overcast, hazy.	—	" "	
7.15 p.m.	Mid-night.	4 1/2	Last 2 hours ebb; first 3 hours flood.	Smooth	Variable 1-2.	Fine, cloudy, hazy.	—	<i>Obelia longissima</i> , abundant <i>Portunus holisatus</i> , v. abundant.	4 steam trawlers about us.
1.15 a.m.	6 a.m.	4 1/2	Last 2 hours flood; first 3 hours ebb.	Smooth	Variable 1-2.	Overcast, hazy.	—	<i>Obelia longissima</i> f.c. <i>Pecten opercularis</i> c. <i>Ascidella virginea</i> , covered with herring spawn.	2 steam trawlers with us.

Voyage.	Station.	Month	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot-ing.	Towing.	Haul-ing.	Shoot-ing.	Towing.	Haul-ing.
XLI	20	Oct.	20	O 249	Dogger Bank, South of South West Patch.	54° 20' N., 2° 25' E.	S.W. by S. $\frac{1}{2}$ S. $\frac{3}{4}$ miles N. $\frac{1}{2}$ W. $\frac{3}{4}$ miles. S.W. $\frac{1}{2}$ S. $\frac{2}{3}$ miles. N. $\frac{1}{2}$ W. $\frac{3}{4}$ miles.	54° 21' N. 2° 17 $\frac{1}{2}$ ' E.	18	..	17	s. & gvl.	..	g.s.
"	21	"	"	O 250	" "	54° 21 $\frac{1}{2}$ ' N., 2° 17 $\frac{1}{2}$ ' E.	S. $\frac{1}{2}$ W. $\frac{4}{5}$ miles N. by E. $\frac{1}{2}$ E. $\frac{6}{11}$ miles.	54° 22 $\frac{1}{2}$ ' N. 2° 18' E.	17	..	17	g.s.	..	g.spk.s.
"	22	"	"	O 251	" "	54° 22 $\frac{1}{2}$ ' N., 2° 18' E.	S. by E. $\frac{3}{4}$ E. $\frac{9}{11}$ miles N. $\frac{3}{4}$ W. $\frac{2}{3}$ miles.	54° 17 $\frac{1}{2}$ ' N. 2° 28' E.	17	18	17	g.spk.s.	sh. & g. spk.s.	g.spk.s.
"	23	"	21	O 252	Dogger, Edge of Clay Deep.	54° 56 $\frac{1}{2}$ ' N., 3° 40 $\frac{1}{2}$ ' E.	N. by W. 7 miles S.E. $\frac{3}{4}$ S. $\frac{2}{3}$ miles.	55° 1 $\frac{1}{2}$ ' N. 3° 38' E.	22	20	22	f.g.s.	..	f.g.s.
"	24	"	"	O 253	" "	55° 1 $\frac{1}{2}$ ' N., 3° 38' E.	N. 2 $\frac{1}{2}$ miles S.E. 8 miles.	55° 0' N. 3° 48 $\frac{1}{2}$ ' E.	22	19	23	f.g.s.	f.g.s.	f.g.s.
"	25	"	"	O 254	" "	55° 0' N., 3° 48 $\frac{1}{2}$ ' E.	N. $\frac{1}{2}$ E. 5 miles	55° 5 $\frac{1}{2}$ ' N. 3° 47' E.	23	..	23	f.g.s.	..	f.g.s.
"	26	"	22	O 255	Borkum Outer ..	54° 9 $\frac{1}{2}$ ' N., 5° 47 $\frac{1}{2}$ ' E.	W.S.W. 7 $\frac{1}{2}$ miles	54° 5 $\frac{1}{2}$ ' N. 5° 36 $\frac{1}{2}$ ' E.	20	19	20	f.g.s. & oz.	f.g.s. & oz.	f.g.s. & oz.
"	27	"	"	O 256	" "	54° 6 $\frac{1}{2}$ ' N., 5° 35' E.	E. $\frac{1}{2}$ N. 10 $\frac{1}{2}$ miles	54° 9 $\frac{1}{2}$ ' N. 5° 53' E.	20	20	20	f.g.s. & m.	f.g.s. & m.	f.g.s. & oz.
"	28	"	"	O 257	" "	54° 9 $\frac{1}{2}$ ' N., 5° 53' E.	E. $\frac{3}{4}$ N. 9 $\frac{1}{2}$ miles	54° 12 $\frac{1}{2}$ ' N. 6° 12 $\frac{1}{2}$ ' E.	20	20	20	f.g.s. & oz.	f.g.s. & m.	f.g.s. & m.
"	29	"	23	O 258	North of Borkum Flat.	54° 12 $\frac{1}{2}$ ' N., 6° 12 $\frac{1}{2}$ ' E.	S. 3 miles. N.E. by N. $\frac{3}{4}$ N. 8 miles.	54° 17 $\frac{1}{2}$ ' N., 6° 16 $\frac{1}{2}$ ' E.	20	20	21	f.g.s. & m.	f.g.s. & oz.	f.g.s. & oz.
"	30	"	"	O 259	" "	54° 17 $\frac{1}{2}$ ' N., 6° 16 $\frac{1}{2}$ ' E.	N.E. 2 $\frac{3}{4}$ miles S. $\frac{1}{2}$ W. 2 $\frac{1}{2}$ miles. N.E. by N. 3 $\frac{1}{2}$ miles. W. by S. $\frac{3}{4}$ S. 4 miles.	54° 19' N., 6° 16' E.	21	21	21	f.g.s. & oz.	f.g.s. & m.	f.g.s. & m.
"	31	"	"	O 260	" "	54° 19' N., 6° 16' E.	N. by W. $\frac{1}{2}$ W. 2 $\frac{1}{2}$ miles S.W. by S. $\frac{1}{4}$ S. 2 $\frac{1}{2}$ miles. N. by W. $\frac{1}{2}$ W. 2 $\frac{1}{2}$ miles. S.S.W. 1 $\frac{1}{2}$ miles. N. $\frac{1}{2}$ E. 3 $\frac{1}{2}$ miles.	54° 22 $\frac{1}{2}$ ' N., 6° 10' E.	21	21	21 $\frac{1}{2}$	f.g.s. & m.	f.g.s. & m.	f.g.s. & m.
"	32	"	"	O 261	" "	54° 22 $\frac{1}{2}$ ' N., 6° 10' E.	S. 8 miles N. by W. $\frac{3}{4}$ W. 3 $\frac{1}{2}$ miles.	54° 17 $\frac{1}{2}$ ' N., 6° 11' E.	21 $\frac{1}{2}$	21	22	f.g.s. & m.	f.g.s. & m.	f.g.s. & m.
"	33	"	23-24	O 262	Borkum Outer ..	54° 17 $\frac{1}{2}$ ' N., 6° 11' E.	W. by S. $\frac{3}{4}$ S. 16 miles.	54° 8 $\frac{1}{2}$ ' N., 5° 48' E.	22	21	21	f.g.s. & m.	f.g.s. & m.	f.g.s. & oz.
XLII	1	"	28	B 240	Brighton	50° 43' N., 0° 2 $\frac{1}{2}$ ' W.	S. by E. 3 $\frac{1}{2}$ miles N. by W. $\frac{3}{4}$ W. 1 mile.	50° 40 $\frac{1}{2}$ ' N., 0° 1' W.	13	..	15 $\frac{1}{2}$	c.s.	..	c.s. & m.
"	2	"	"	B 241	Brighton Outer ..	50° 38 $\frac{1}{2}$ ' N., 0° 0 $\frac{1}{2}$ ' W.	W.S.W. 4 miles	50° 36' N., 0° 4 $\frac{1}{2}$ ' W.	24	..	30	s. & m.	..	s. & m.
"	3	Nov.	11	B (c) 242	Teignmouth Bay ..	50° 32 $\frac{1}{2}$ ' N., 3° 28 $\frac{1}{2}$ ' W.	W. by S. $\frac{1}{4}$ S. 1 mile S.W. by S. $\frac{1}{4}$ S. 2 miles. S. $\frac{1}{4}$ E. $\frac{2}{3}$ miles.	50° 29 $\frac{1}{2}$ ' N., 3° 29 $\frac{1}{2}$ ' W.	7	4	7	s. & m.	..	s. & m.
"	4	"	"	B 243	" "	50° 32 $\frac{1}{2}$ ' N., 3° 28 $\frac{1}{2}$ ' W.	S.W. $\frac{1}{2}$ W. 2 $\frac{1}{2}$ miles S. $\frac{1}{2}$ W. 2 $\frac{1}{2}$ miles.	50° 28 $\frac{1}{2}$ ' N., 3° 28 $\frac{1}{2}$ ' W.	7	7-4 $\frac{1}{2}$	7	s. & m.	..	s. & m.
XLIII	1	"	17	B 244	South of Eastern Deep Water.	52° 13 $\frac{1}{2}$ ' N., 3° 19 $\frac{1}{2}$ ' E.	N. $\frac{1}{2}$ E. 5 $\frac{1}{2}$ miles	52° 18 $\frac{1}{2}$ ' N., 3° 17 $\frac{1}{2}$ ' E.	15 $\frac{1}{2}$	16 $\frac{1}{2}$	18	f.d.s.	..	f.d.s.
"	5	"	"	B 245	Edge of Eastern Deep Water.	52° 16 $\frac{1}{2}$ ' N., 3° 4 $\frac{1}{2}$ ' E.	E. 5 miles	52° 18' N., 3° 11 $\frac{1}{2}$ ' E.	18	..	18 $\frac{1}{2}$	f.s., clay & sh.	..	f.spk.s.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun. Rain, &c.			
6.30 a.m.	11.30 a.m.	5	Last hour flood; first 4 hours ebb.	Moderately smooth.	S. 3	Overcast, hazy.	—	Quantities not recorded	1 steam trawler with us.
Noon.	4.30 p.m.	4½	Last hour ebb; 3½ hours flood.	Moderately smooth.	S. 4	Overcast, hazy.	—	" "	
5 p.m.	10 p.m.	5	Last 2 hours flood; first 3 hours ebb.	Moderately smooth.	S. 4	Overcast, hazy.	—	" "	Several drifters about us.
6.15 a.m.	10.15 a.m.	4	Nil	Moderately rough.	S. 4	Overcast, hazy.	Turn in aft wing and net slightly torn.	" "	Several steam trawlers about us.
11.30 a.m.	4.30 p.m.	5	Nil	Rough	S.S.E. 5	Overcast, hazy.	—	<i>Loligo</i> sp., c.	1 steam trawler with us.
5 p.m.	7.15 p.m.	2½	Nil	Rough	S. 7	Overcast, hazy.	Had a 'pull-out,' hauled, and found net all right.	Quantities not recorded.	
10 a.m.	1 p.m.	3	First 3 hours ebb.	Moderately smooth.	S.W. 4	Overcast, thick rain.	—	" "	11.30 a.m., spoke S.S. "Zennor," bound for Grimsby.
2 p.m.	6 p.m.	4	Last 1½ hours ebb; first 2½ hours flood.	Smooth	S.S.W. 2	Overcast, hazy.	—	" "	4 German sailing trawlers and 2 steam trawlers.
6.30 p.m.	11.30 p.m.	5	Last 3 hours flood; first 2 hours ebb.	Smooth	S. 2.	Overcast, dull, hazy.	—	" "	
12.15 a.m.	5.15 a.m.	5	Last 4 hours ebb; first hour flood.	Smooth	S.W. 2	Overcast, hazy.	—	Quantities not recorded.	
5.45 a.m.	10.45 a.m.	5	Last 4 hours flood; first hour ebb.	Smooth	S.S.W. 2.	Overcast, hazy.	—	" "	2 steam trawlers about us.
11.15 a.m.	4.15 p.m.	5	Last 5 hours ebb.	Smooth	S.S.W. 2.	Overcast, hazy.	—	" "	
4.45 p.m.	9.45 p.m.	5	First 5 hours flood.	Smooth	Variable, 1-2.	Overcast, hazy.	—	" "	
(23rd) 10.15 p.m.	(24th) 4.15 a.m.	6	All ebb.	Smooth	Variable, 1-2.	Dull, thick rain.	—	" "	
7.10 a.m.	9.10 a.m.	2	Last hour ebb; first hour flood.	Moderately smooth.	S.S.E. 3.	Fine, cloudy, hazy.	—	<i>Callionymus lyra</i> . Invertebrates not recorded.	G. T. Atkinson, D. J. Matthews. Several trawling smacks about us.
10 a.m.	12 a.m.	2	Fourth and fifth hours flood.	Moderately smooth.	S.E. 5.	Fine, cloudy.	—	Not recorded.	
11.45 a.m.	1.30 p.m.	1½	Last ½ hour flood; first hour ebb.	Smooth	W. by N. 5.	Overcast	Small mesh net badly torn.	<i>Callionymus lyra</i> abundant. <i>Arnoglossus</i> sp. f.c., <i>Solea lutea</i> f.c. <i>Gobius</i> sp. Invertebrates not recorded.	Small mesh nets round ordinary trawl (Expt. No. 8); cod-end supported by hoop.
2.15 p.m.	4.30 p.m.	2½	Fourth and fifth hours ebb.	Smooth	W. 4.	Overcast	—	<i>Arnoglossus</i> sp., <i>Callionymus lyra</i> v.c.	A number of small fishing boats about.
7 a.m.	9 a.m.	2	First 2 hours ebb.	Smooth	S.S.E. 2.	Cloudy, hazy.	—	<i>Buccinum undatum</i> spawn <i>Asterias rubens</i> v.c.	J. O. Borley, G. P. Bidder. Coming through drifters all night till shooting.
3 p.m.	5 p.m.	2	Third and fourth hours flood.	Smooth	S.W. 3	Cloudy, fine, hazy.	—	<i>Buccinum undatum</i> . <i>Asterias rubens</i> c.	

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom		
						Shot.	Course.	Hauled.	Shoot- ing.	Towing.	Haul- ing.	Shoot- ing.	Towing.	Haul- ing.
XLIII	7	Nov.	18	B 246	Off Gabbard Light- vessel.	52° 08' N., 2° 11½ E.	E.N.E. 7½ miles	52° 5' N., 2° 20½ E.	23	..	26	sharp s.	..	f.s. & sh.
XLIV	1	"	26	B 247	Off Sandettie Light- vessel.	51° 14½ N., 1° 51½ E.	W. by S. ½ S. 2 miles	51° 13½ N., 1° 49' E.	19	..	20½	gvl.	..	gvl.
"	3	"	"	B 248	North West of Sandettie Light- vessel.	51° 15' N., 1° 49½ E.	N.W. ¾ N. 1½ miles	51° 16' N., 1° 47½ E.	21	..	21	c.s.	..	c.s.
"	5	"	26	B 249	N.N.W. of Sandettie Light- vessel.	51° 16½ N., 1° 48' E.	N.E. ¼ E. 3¼ miles	51° 19½ N., 1° 50¾ E.	21	..	21	c.s.	..	gvl. sh.
"	12	Dec.	1	B 250	Lowestoft Deep Water.	52° 25½ N., 2° 09½ E.	S. by W. ¼ W. 2½ miles W.S.W. 3¾ miles. S. by W. ¾ W. 5.	52° 15½ N., 2° 3¾ E.	21	20	20	br.s. & sh.	d.s.	s.m. & sh.
"	14	"	2	B 251	Edge of Deep Water	52° 16' N., 2° 28½ E.	N. by E. ¼ E. 10 miles	52° 26' N., 2° 2½ E.	19	..	19½	s.m. & gvl.	..	s. & gvl.
"	15	"	"	B 252	Off Lowestoft ..	52° 26' N., 2° 2½ E.	S.S.W. 1¼ miles	52° 24½ N., 2° 2½ E.	19½	..	20	s. & gvl.	..	s. & gvl.
XLV	1	"	8	O 263	North of Terschelling Light- vessel.	53° 42½ N., 4° 41' N.	N.E. by E. ¾ E. 6½ miles S. by E. ¼ E. 4 miles.	53° 43½ N., 4° 52' E.	20	..	19	s. & m.	..	s. & m.
"	2	"	"	O 264	" " "	53° 43' N., 4° 53½ E.	N.W. ½ N. 3½ miles	53° 45' N., 4° 48½ E.	19	..	20	s. & m.	..	s. & m.
"	3	"	9	O 265	" " "	53° 51½ N., 4° 50' E.	S. by E. ¾ E. 1 mile	53° 50½ N., 4° 51½ E.	21	..	21	m.	..	m.
"	4	"	"	B 253	" " "	53° 49½ N., 4° 51½ E.	S.S.W. 7 miles N.E. ¼ E. 6¼ miles.	53° 47' N., 4° 56½ E.	21	20	19	m.	s. & m.	c.s.
"	5	"	"	B 254	" " "	53° 47' N., 4° 56½ E.	W. 11 miles.	53° 44½ N., 4° 38' E.	19	19	20½	c.s.	..	m.
"	6	"	9-10	B 255	" " "	53° 44½ N., 4° 38' E.	S.E. by S. 6¼ miles S. by E. ¾ E. 6 miles.	53° 36' N., 4° 52½ E.	20½	19	13	m.	f.s.	f.s. & sh.
"	7	"	10	B 256	" " "	53° 27½ N., 4° 52½ E.	N. by W. ¾ W. 3¾ miles. S.E. ¼ S. 4¾ miles. N.E. 3¾ miles.	53° 31½ N., 4° 58½ E.	14½	13	13	d.s.	..	d.g.s.
"	8	"	"	B 257	" " "	53° 31½ N., 4° 58½ E.	N. by W. ¾ W. 4½ miles. S.W. ¾ W. 5½ miles. N.N.E. 3½ miles.	53° 34½ N., 4° 50' E.	13	..	13	d.g.s.	..	f.l.s.
"	9	"	10-11	B 258	" " "	53° 34½ N., 4° 50' E.	S.E. ½ S. 2¾ miles N. by E. ¾ E. 5¾ miles. S. ½ E. 5½ miles.	53° 33' N., 4° 58½ E.	13	..	12	f.l.s.	..	f.g.s.
"	10	"	11	B 259	" " "	53° 33' N., 4° 58½ E.	N. ¼ W. 4 miles S.W. ¾ W. 5 miles. N. ¾ E. 4 miles.	53° 36' N., 4° 53' E.	12	..	13½	f.g.s.	..	f.d.s.
"	11	"	11	B 260	Terschelling Ground.	53° 36' N., 4° 53' E.	N.E. by E. ¼ E. 5½ miles S. by W. ¾ W. 3 miles. N.E. ½ N. 6½ miles.	53° 43' N., 5° 5' E.	13½	15	16½	f.d.s.	f.d.s.	s. & m.
"	12	"	"	B 261	" " "	53° 43' N., 5° 5' E.	S.E. ½ E. 2¾ miles S.W. by W. ¼ W. 4¾ miles. W. by S. ¾ S. 5¾ miles.	53° 35½ N., 4° 55½ E.	16½	..	13	s. & m.	..	f.d.s.
"	13	"	11-12	B 262	North of Terschelling Light- vessel.	53° 35½ N., 4° 55½ E.	S.W. by S. 3¾ miles N. ¾ E. 4½ miles. S.E. ½ S. 2¾ miles.	53° 34½ N., 4° 56' E.	13	13	13	f.d.s.	..	f.g.s.
"	14	"	13	B 263	Terschelling Ground.	53° 28' N., 5° 10½ E.	N.E. by E. ¼ E. 5½ miles N. by E. ¾ E. 7½ miles.	53° 39½ N., 5° 16½ E.	12½	14	15	f.d.s.	..	s. & m.
"	15	"	"	B 264	" " "	53° 39½ N., 5° 16½ E.	W. by N. 14½ miles	53° 39½ N., 4° 51½ E.	16	..	16	f.d.s.	..	s. & m.

Duration of Haul,			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
6.30 a.m.	9.45 a.m.	3½	Last 2 hours flood; first 2 hours ebb.	Smooth	W. by N. 3.	Overcast, cloudy, very hazy.	Belly "all to pieces."	<i>Ophelia limacina</i> c.	Several Dutch drifters about us.
7.45 a.m.	8.45 a.m.	1	Last ½ hour ebb; first ½ hour flood.	Moderately smooth.	Variable, 2.	Dull, overcast.	—	<i>Chondractinia digitata</i> <i>Flustra foliacea</i> c., <i>Diastopora patina</i> f.c. <i>Loligo forbesi</i> .	W. Wallace, J. O. Borley.
Noon	1 p.m.	1	Last ½ hour flood; first ½ hour ebb.	Moderately rough.	N.N.E. 2.	Cloudy, showery.	—	<i>Flustra foliacea</i> c. <i>Asterias rubens</i> .	Several trawling smacks about us.
1.45 p.m.	3.15 p.m.	1½	First 2 hours ebb.	Rough	N.N.E. 6.	Overcast, cloudy.	Lost trawl ..	Nothing taken.	
11.45 a.m.	4.15 p.m.	4½	First hour ebb; 4 hours flood.	Moderately smooth.	S.W. to W. 4.	Cloudy	—	<i>Asterias rubens</i> , <i>Echinus militaris</i>	Several drifters about us, and sailing trawlers "lying to."
9 a.m.	1 p.m.	4	Second to sixth hours ebb.	Moderately smooth.	S.W. by W. 4.	Dull, hazy	—	<i>Hydrilmania falcata</i> f.c., <i>Actinoloba dianthus</i> <i>Sabellaria spinulosa</i> , <i>Buccinum</i> spawn f.c. <i>Eupagurus bernhardus</i> f.c. <i>Asterias rubens</i> .	Several trawling smacks and drifters under weigh.
1.30 p.m.	2 p.m.	½	First ½ hour flood.	Moderately smooth.	S.W. by W. 4.	Dull, hazy	2 p.m., came fast, probably to a wreck, hauled, lost trawl beam and after head.	Nothing taken.	
7.30 a.m.	11.30 a.m.	4	Last 4 hours flood.	Moderately rough.	N. by E. 4-7.	Cloudy, squally.	—	Not recorded; no Naturalists on board ..	No Naturalist on board; Captain in charge; measurements and records of fish by the Chief Steward, H.J. Howes. 2 Dutch steam trawlers with us.
2 p.m.	4.30 p.m.	2½	Second to fourth hours ebb.	Rough	N. by E. 4-7.	Cloudy, snow squalls.	—	" " "	Shot at noon, got gear foul; hove up, tore net, mended and shot again. 3 steam trawlers with us.
Mid-night.	12.30 a.m.	½	Last ½ hour flood.	Rough	N.W. by N. 3-6.	Cloudy, snow showers.	12.30 a.m., came fast, probably to a wreck; hove up, lost trawl and after otter board.	" " "	
8 a.m.	1 p.m.	5	Last 5 hours flood.	Rough	S. 5	Heavy clouds.	—	" " "	7.30 a.m. shot, came fast probably to a mud bank, hove up and shot again at 8 a.m.
1.30 p.m.	6.30 p.m.	5	Last 5 hours ebb.	Rough	S. 5	Dull, cloudy.	—	" " "	
(9th) 7 p.m.	(10th) 12.30 a.m.	5½	Last 5½ hours flood.	Rough	S.S.E. 7.	Overcast, hazy.	Net torn ..	" " "	2 steam trawlers about us.
8 a.m.	1.30 p.m.	5½	Last 5½ hours flood.	Moderately smooth.	S. by W. 3.	Dull, thick rain.	—	" " "	4 steam trawlers about us.
2 p.m.	7.30 p.m.	5½	Last 5½ hours ebb.	Moderately smooth.	S. by W. 4.	Dull, thick rain.	—	" " "	2 steam trawlers about us.
8 p.m.	1.30 a.m.	5½	Last 5½ hours flood.	Moderately smooth.	N. by W.	Cloudy, dull, rain.	—	" " "	Several steam trawlers about us.
2 a.m.	7.30 a.m.	5½	Last 5½ hours ebb.	Moderately rough.	N. by W. 5.	Cloudy	—	" " "	Several steam trawlers about us.
8 a.m.	2 p.m.	6	All flood	Moderately rough.	N. by W. 4	Cloudy	—	" " "	Several steam trawlers about us.
2.30 p.m.	8.30 p.m.	6	All ebb	Moderately rough.	Variable 3-6.	Cloudy	—	" " "	Several steam trawlers about.
(11th) 9 p.m.	(12th) 2.30 a.m.	5½	Last 5½ hours flood.	Rough	S. 4-8	Cloudy	—	" " "	Several steam trawlers about us.
8 a.m.	2 p.m.	6	All flood	Moderately smooth.	S. by E. 3	Cloudy, hazy.	—	" " "	
2.30 p.m.	8.30 p.m.	6	All flood	Moderately smooth.	S. by E. 3	Cloudy, hazy.	—	" " "	Several steam trawlers about us.

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shot-ing.	Towing.	Haul-ing.	Shoot-ing.	Towing.	Haul-ing.
XLV	16	Dec.	13-14	B 265	North of Terschelling Light-vessel.	53° 39½' N., 4° 51¼' E.	S. 7 W. 6½ miles N.W. by N. 4¼ miles.	53° 35½' N., 4° 46¾' E.	16	..	13	m.	..	f.s. & sh.
"	17	"	14	B 266	" " "	53° 35½' N., 4° 46¾' E.	S.E. 4½ miles N. ½ E. 7¼ miles.	53° 41' N., 4° 50¾' E.	13	..	17½	f.s. & sh.	..	s. & m.
"	18	"	"	B 267	" " "	53° 41' N., 4° 50¾' E.	S.W. by S. ½ E. 3¼ miles S. by E. ¼ E. 5¼ miles.	53° 32¾' N., 4° 54¾' E.	17½	15	12	s. & m.	s. & m.	f.g.s.
XLVI	1	"	17	B 268	Lowestoft Deep Water.	52° 15½' N., 2° 23¾' E.	S.E. ¾ E. 7 miles S. by W. ½ W. 1 mile.	52° 12¼' N., 2° 33¼' E.	25	..	24	f.s.	..	f.s.
"	2	"	17-18	B 269	Lowestoft Deep Water, East part.	52° 21' N., 2° 49½' E.	N. ¼ E. 7 miles N.E. by E. ¼ E. 8 miles.	52° 33½' N., 2° 56½' E.	21	..	20	f.g.s.	..	f.g.s.
"	3	"	18	B 270	" " "	52° 33½' N., 2° 56½' E.	S. ½ E. 7½ miles N.W. ¼ N. 4¼ miles.	52° 29¾' N., 2° 55¾' E.	20	20	20	f.s.	f.s.	f.g.s.
"	4	"	"	B 271	" " "	52° 28¾' N., 2° 51' E.	N.W. by W. ½ W. 3½ miles S.E. by E. ¼ E. 3½ miles. S.W. ¼ S. 3 miles.	52° 26½' N., 2° 49' E.	21	23	22	f.s. & sh.	f.s. & sh.	f.s. & sh.
"	5	"	"	B 272	" " "	52° 26½' N., 2° 49' E.	N.E. by N. ¾ N. 6¼ miles S. by E. ¼ E. 4 miles. N. by E. ¼ E. 4¾ miles.	52° 34' N., 2° 53½' E.	22	22	21	f.s. & sh.	..	f.s.
"	6	"	19	B 273	East part of Lowestoft Deep Water.	52° 34' N., 2° 53½' E.	N. 1 mile S.E. by S. ½ N. 7¼ miles. N.W. ¾ N. 4¼ miles. S. ¼ E. 2¾ miles.	52° 30½' N., 2° 58½' E.	21	22	19	f.s.	..	f.g.s.
"	7	"	"	B 274	" " "	52° 30½' N., 2° 58½' E.	N.W. ½ N. 6¼ miles E. by S. ¾ S. 4¼ miles. N.W. by N. ½ N. 6¼ miles.	52° 38' N., 2° 49½' E.	19	22	21	f.g.s.	..	f.g.s.
"	8	"	"	B 275	" " "	52° 38' N., 2° 49½' E.	S.E. ¼ E. 5 miles N.W. by W. ¾ W. 5 miles. S.E. ¾ S. 5½ miles. N.W. by N. 4 miles.	52° 36' N., 2° 50½' E.	21	22	23	f.g.s.	f.g.s.	f.d.s.
XLVII	1	1905 Jan.	9	B 276	Bridlington Bay	54° 2¼' N., 0° 9¼' W.	S. by W. ¾ W. 1½ miles	54° 1½' N., 0° 9¾' W.	6	..	6½	f.s.	..	f.s.
"	2	"	13	B 277	Flamborough Head Ground.	54° 13¼' N., 0° 31¼' E.	S.W. by W. ½ W. 3¾ miles	54° 10¾' N., 0° 26¾' E.	31	..	31	f.d.s.	..	f.d.s.
"	3	"	13-14	O 266	" " "	54° 11¾' N., 0° 26' E.	E. 4½ miles W. by N. ½ N. 4¾ miles.	54° 13' N., 0° 25¼' E.	31	..	31	f.d.s.	..	f.d.s.
"	4	"	14	O 267	" " "	54° 13' N., 0° 25¼' E.	E. by N. 4½ miles W. 4¼ miles.	54° 14' N., 0° 25¼' E.	31	..	31	f.d.s.	..	f.d.s.
"	5	"	20	O 268	Flamborough Off	53° 59½' N., 0° 34' E.	E. 4½ miles S.W. by W. ¼ W. 5 miles.	53° 57½' N., 0° 35½' E.	26	..	25½	f.s.	..	f.s.
"	7	"	21	O 269	Eastern Edge of Flamborough Off.	53° 59' N., 1° 11½' E.	N. E. ¾ N. 6½ miles N.W. ¾ W. 4½ miles.	54° 6' N., 1° 8' E.	23	27	27	f.s.	f.s.	f.s.
"	12	"	22	O 270	Dogger Bank, East of South West Patch.	54° 20' N., 2° 38' E.	N.E. ¾ N. 14 miles	54° 33' N., 2° 45¾' E.	15	..	17	f.s.	..	f.s.
"	15	"	"	O 271	Dogger Bank, Eastern Shoal.	54° 33' N., 2° 45¼' E.	N. by W. ¼ W. 8 miles	54° 39¾' N., 2° 38¾' E.	17	16	11½	f.s.	f.s.	f.s.
"	18	"	22-23	O 272	North of Dogger Bank Eastern Shoal.	54° 39½' N., 2° 38¼' E.	N.E. ¼ E. 6 miles N.W. ¼ N. 7 miles.	54° 48½' N., 2° 34' E.	11½	11½	12	f.s.	..	f.s.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks. Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
(13th) 9.30 p.m.	(14th) 2.30 a.m.	5	First 5 hours ebb.	Smooth	S.S.E. 2	Dull, thick fog.	—	Not recorded; no Naturalists on board	Several steam trawlers about us.
3 a.m.	8.30 a.m.	5½	Last 5½ hours flood.	Moderately rough.	S. by E. 2-5	Dull, foggy.	—	" " "	Several steam trawlers about us.
9 a.m.	2 p.m.	5	5 hours ebb.	Rough	S.S.W. 6	Dull, hazy.	—	" " "	
Noon	4.15 p.m.	4½	Last ½ hour ebb; first 3½ flood.	Rough	S.W. 7	Dull, cloudy.	Belly "torn to pieces."	" " "	No Naturalists on board; Captain in charge; measurements and records of fish by the chief steward, H. J. Howes. Several sailing trawlers about us.
(17th) 9.30 p.m.	(18th) 2.15 a.m.	4½	Last 4½ hours ebb.	Rough	S.W. 6	Cloudy.	—	" " "	Several sailing trawlers about us.
2.45 a.m.	7.30 a.m.	4½	Last 4½ hours flood.	Rough	S.W. 7	Cloudy, hazy.	—	" " "	Several sailing trawlers about us.
1 p.m.	6 p.m.	5	Last hour ebb; 4½ hours flood.	Moderately rough.	N.W. 5	Cloudy.	—	" " "	Several sailing trawlers about us.
(18th) 6.30 p.m.	(19th) 1 a.m.	6½	Last 1½ hours flood; 5 hours ebb.	Smooth.	N.W. by N. 2	Fine, cloudy.	—	" " "	Several sailing trawlers about us.
1.30 a.m.	7.30 a.m.	6	All flood	Smooth.	N.W. by N. 1	Fine, hazy.	—	" " "	Several sailing trawlers about us.
8.15 a.m.	3 p.m.	6¾	All ebb.	Smooth	N. 2	Fine, cloudy, hazy.	—	" " "	Several sailing trawlers about us.
3.30 p.m.	11 p.m.	7½	All flood; 1½ hours ebb.	Moderately smooth.	Calm	Fine, cloudy.	—	" " "	Two "drift bottles" in trawl. Several sailing trawlers about us.
3.30 p.m.	4 p.m.	½	Second hour flood.	Moderately smooth.	W. by S. 7.	Cloudy	—	<i>Hydrallmania falcata</i> f.c. <i>Flustra foliacea</i> f.c.	W. Wallace, R. A. Todd, G. T. Atkinson.
6.45 p.m.	8.45 p.m.	2	First 2 hours flood.	N.N.E. swell.	Variable	Cloudy, hazy.	Came fast, probably to a wreck, hauled, net badly torn, and beam broken.	<i>Actinoloba dianthus</i> , many on wreckage. <i>Alicyoniidum gelatinosum</i> f.c. <i>Pecten opercularis</i> . <i>Porcellana longicornis</i> f.c. <i>Pycnogonum littorale</i> v.c. on <i>Actinoloba</i> . <i>Eupagurus bernhardus</i> , <i>Portunus holsatus</i> . <i>Ophiothrix fragilis</i> f.c. <i>Cyclopterus lumpus</i> .	
(13th) 11 p.m.	(14th) 4 a.m.	5	Last hour flood; first 4 hours ebb.	Moderately rough.	S. 4	Fine, hazy	—	<i>Alicyonium digitatum</i> . <i>Alicyoniidum gelatinosum</i> . <i>Fusus antiquus</i> , <i>Buccinum undatum</i> , <i>Pecten opercularis</i> . <i>Eupagurus bernhardus</i> f.c., <i>Portunus holsatus</i> f.c. <i>Asterias rubens</i> .	
5 a.m.	10 a.m.	5	Last hour ebb; first 4 hours flood.	Rough	S. 6	Fine, cloudy, hazy.	—	<i>Actinoloba dianthus</i> . <i>Pecten opercularis</i> c. <i>Asterias rubens</i> .	
11.45 a.m.	3.45 p.m.	4	First 4 hours flood.	Moderately rough.	S. E. by E. 5.	Overcast	—	<i>Alicyonium digitatum</i> f.c., <i>Actinoloba dianthus</i> <i>Pecten opercularis</i> c., <i>Fusus antiquus</i> . <i>Eupagurus bernhardus</i> c., <i>Portunus holsatus</i> . <i>Asterias rubens</i> c.	Several steam trawlers about us.
9.15 a.m.	1.15 p.m.	4	Last 4 hours ebb.	Moderately rough.	S. E. by E. 5.	Fine, cloudy.	Belly and fore wing badly torn.	<i>Alicyonium digitatum</i> . <i>Pecten opercularis</i> . <i>Eupagurus bernhardus</i> .	
8 a.m.	1 p.m.	5	Last 5 hours ebb.	Moderately rough.	E. 4	Overcast	—	Sponge v. abundant. <i>Obelia longissima</i> c., surf-rolled. <i>Eupagurus bernhardus</i> c. <i>Asterias rubens</i> c.	
2 p.m.	7 p.m.	5	Last 5 hours flood.	Moderately smooth.	E. 2	Overcast	—	<i>Obelia longissima</i> c., surf-rolled <i>Pholas crispata</i> f.c. <i>Eupagurus bernhardus</i> , f.c., <i>Paratylus swam-</i> <i>merdami</i> f.c. <i>Asterias rubens</i> c. <i>Ascidella virginea</i> f.c.	"Moorlog" present.
(22nd) 8 p.m.	(23rd) 1 a.m.	5	Last 5 hours ebb.	Moderately smooth.	S. 2	Overcast	—	<i>Obelia geniculata</i> c., <i>Obelia longissima</i> f.c. <i>Alicyoniidum gelatinosum</i> v.c. <i>Eupagurus bernhardus</i> f.c.	

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot- ing.	Tow- ing.	Haul- ing.	Shoot- ing.	Tow- ing.	Haul- ing.
XLVII	19	Jan.	23	O 273	North of Dogger Bank Eastern Shoal.	54° 48½' N., 2° 34' E.	N.E. by N. ¼ N. 11 miles	54° 59' N., 2° 39' E.	12	11	14	f.s.	f.s.	f.s. & sh.
"	22	"	"	O 274	"	54° 59' N., 2° 38½' E.	S. ½ E. 12 miles	54° 48½' N., 2° 46' E.	14	11	10	f.s. & sh.	f.s. & sh.	f.s. & sh.
"	25	"	"	O 275	Clay Deep, Edge of Dogger.	54° 52' N., 3° 20½' E.	E. by S. ½ S. 5½ miles	54° 51½' N., 3° 30½' E.	20	..	22	..	..	f.s. & oz.
"	26	"	25	O 276	East of Leman Ground.	53° 29½' N., 3° 1' E.	E. by N. 2½ miles W. by S. 6½ miles.	53° 27½' N., 2° 54½' E.	19	20	17½	f.s. & m.	..	f.s. & m.
"	29	"	"	O 277	Leman Ground ..	53° 27½' N., 2° 55½' E.	W. 4½ miles	53° 27' N., 2° 48' E.	17½	..	17	f.s. & m.	..	f.g.s.
XLVIII	2	Fe	14	B 278	South East of Smith's Knoll Light-vessel.	52° 46' N., 2° 13½' E.	N.E. by E. ¼ E. 7½ miles	52° 51½' N., 2° 22½' E.	22	..	24	s. & m.	..	s. & ross.
"	5	"	14-15	B 279	Extreme South of Leman Ground.	52° 57½' N., 2° 33½' E.	N.E. ¼ N. 6½ miles	53° 4½' N., 2° 38' E.	20½	..	18	s.	..	f.s.
"	8	"	15	B 280	Leman Ground ..	53° 13' N., 2° 44½' E.	N.E. by N. ½ N. 6½ miles	53° 19½' N., 2° 56½' E.	18	..	16½	f.s.	..	f.s.
"	10	"	"	B 281	East part of Leman Ground.	53° 29½' N., 2° 53' E.	N.E. ¼ N. 7½ miles	53° 35½' N., 2° 59' E.	16½	..	17	f.s.	..	f.d.s.
"	12	"	"	B 282	Botney Ground ..	53° 39½' N., 3° 5' E.	S.E. by S. ¾ S. 15½ miles	53° 27' N., 3° 21½' E.	18½	..	16½	f.d.s.	..	f.d.s.
"	14	"	16	B 283	South West part of New Zealand.	53° 20½' N., 3° 34½' E.	S.E. by S. ½ S. 12½ miles	53° 11½' N., 3° 48½' E.	15	..	14	f.s.	..	f.d.s.
"	16	"	"	B 284	North West part of Texel Ground.	53° 7' N., 3° 57½' E.	S.E. ¼ E. 6½ miles	53° 4½' N., 4° 7½' E.	15½	17	15	f.s.	f.s.	f.s.
"	18	"	"	B 285	Texel Ground ..	53° 1½' N., 4° 12½' E.	S.W. ¾ miles N.E. ¼ S. 5 miles.	53° 3' N., 4° 13½' E.	16	..	16½	f.g.s.	—	f.g.s.
"	20	"	17	B 286	Brown Ridges ..	52° 54½' N., 3° 55½' E.	W. by S. ¼ S. 14½ miles	52° 46½' N., 3° 34' E.	14	17	14	f.g.s.	f.g.s.	f.br.s.
"	22	"	"	B 287	Western Edge of Lowestoft Deep Water.	52° 29' N., 2° 11' E.	S.W. ¼ W. 9½ miles	52° 21' N., 2° 3' E.	23	..	20	f.g.s. & pebbles	—	f.d.s.
XLIX	1	"	28	B 288	Knoll Deep	52° 34½' N., 2° 16' E.	S.E. ¾ S. 1 mile	52° 34' N., 2° 17½' E.	22	..	22	sharp s.	—	ross.
"	2	Mar.	1	B 289	Winterton Shoal ..	52° 39½' N., 2° 50½' E.	S.E. by E. ¼ E. 6 miles N.E. by E. ¾ E. 5 miles	52° 41½' N., 3° 6½' E.	19½	..	16	blk. spk.s.	—	blk. spk. s.
"	5	Mar	1-2	B 290	Leman Ground ..	53° 8½' N., 2° 30½' E.	N. by E. ¼ E. 12½ miles	53° 21½' N., 2° 31' E.	17	16	15	f.d.s.	f.g.s.	f.g.s.
"	6	"	2	B 291	"	53° 24½' N., 2° 20' E.	N.E. by E. ¼ E. 4 miles S.W. by S. 1½ miles.	53° 26½' N., 2° 24½' E.	12	..	13	f.blk. spk.s.	..	f.d.s.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun. Rain, &c.			
2 a.m.	7 a.m.	5	Last 5 hours flood.	Moderately smooth.	S. 4	Overcast	—	<i>Obelia longissima</i> f.c. Alcyonidium gelatinosum abundant. <i>Lacuna crassior</i> and spawn c. <i>Galathea intermedia</i> c., <i>Eupagurus bernhardus</i> f.c. <i>Asterias rubens</i> c. <i>Ascidella virginea</i> .	
8 a.m.	1 p.m.	5	Last 5 hours ebb.	Moderately smooth.	S.W. 5	Overcast	—	<i>Obelia longissima</i> c., <i>O. geniculata</i> f.c. Alcyonidium gelatinosum v.c. <i>Eupagurus bernhardus</i> c., <i>Galathea intermedia</i> f.c. <i>Asterias rubens</i> c. <i>Ascidella virginea</i> c.	
5 p.m.	7.45 p.m.	2 $\frac{3}{4}$	First 3 hours flood.	Rough	S.W. 6	Overcast	—	<i>Eupagurus bernhardus</i> . <i>Asterias rubens</i> .	
4 a.m.	9 a.m.	5	Last 3 hours ebb; first 2 hours flood.	Rough.	W.N.W. 6.	Cloudy	—	<i>Fusus antiquus</i> , <i>Ostrea edulis</i> . <i>Asterias rubens</i> c., <i>Astropecten irregularis</i> , <i>Ophiothrix fragilis</i> .	
9.50 a.m.	Noon	2 $\frac{1}{2}$	Second to fourth hours flood.	Very rough.	W.N.W. 8.	Cloudy	—	<i>Actinoloba dianthus</i> . <i>Asterias rubens</i> c.	
5.45 p.m.	8.45 p.m.	3	First 3 hours ebb.	Moderately smooth.	N.W. 2	Overcast, hazy.	—	<i>Sabellaria spinulosa</i> c. <i>Buccinum undatum</i> spawn. <i>Eupagurus bernhardus</i> c. <i>Asterias rubens</i> .	J. O. Borley, J. Potter, A. J. Arrowsmith.
(14th) 10.40 p.m.	(15th) 1.40 a.m.	3	Last 1 $\frac{1}{2}$ hours ebb; first 1 $\frac{1}{2}$ hours flood.	Moderately smooth.	N.W. 3	Dull, overcast.	—	<i>Buccinum undatum</i> spawn. <i>Eupagurus bernhardus</i> c., <i>Cancer pagurus</i> .	
3.55 a.m.	7.55 a.m.	4	Last 2 hours flood; first 2 hours ebb.	Moderately smooth.	W. by N. 3.	Overcast, hazy.	—	Very little taken.	
9.40 a.m.	1.40 p.m.	4	Last 3 hours ebb; first hour flood.	Moderately smooth.	W. by S. 4.	Cloudy, hazy.	—	<i>Hydrallmania falcata</i> . <i>Echinus miliaris</i> f.c., <i>Asterias rubens</i> .	
2.45 p.m.	8.45 p.m.	6	All flood	Moderately smooth.	W. by S. 4.	Cloudy, rainy.	—	<i>Actinoloba dianthus</i> f.c. <i>Eupagurus bernhardus</i> , <i>Portunus holsatus</i> . <i>Asterias rubens</i> f.c., <i>Echinus miliaris</i> f.c.	
4 a.m.	9 a.m.	5	Last 4 hours flood; first hour ebb.	Smooth.	S.W. by W. 2.	Cloudy, hazy.	—	<i>Actinoloba dianthus</i> , <i>Alcyonium digitatum</i> . . . <i>Buccinum undatum</i> spawn. <i>Portunus holsatus</i> c., <i>Eupagurus bernhardus</i> .	1 steam trawler with us.
10.45 a.m.	2.15 p.m.	3 $\frac{1}{2}$	Last of flood.	Moderately smooth.	S.W. by W. 3.	Thick fog	2.15 p.m. Came fast to wreck, broke both trawl heads, and net partly torn.	<i>Eupagurus bernhardus</i> , <i>Hyas araneus</i> , . . . <i>Asterias rubens</i> f.c., <i>Astropecten irregularis</i> .	1 steam trawler with us.
3.45 p.m.	7.45 p.m.	4	Last 4 hours ebb.	Moderately rough.	S.W. 4	Cloudy, rainy.	Ground rope parted and belly split.	<i>Cancer pagurus</i> , <i>Eupagurus bernhardus</i> . <i>Asterias rubens</i> .	
4 a.m.	9 a.m.	5	Last 5 hours flood.	Moderately rough.	W. by S. 4.	Fine, cloudy.	—	<i>Eupagurus bernhardus</i> , <i>Portunus holsatus</i> . . . <i>Asterias rubens</i> c.	Several Dutch fishing craft about us.
5.10 p.m.	9.10 p.m.	4	Last 4 hours flood.	Smooth.	W. by N. 2.	Fine, hazy.	—	<i>Chondractinia digitata</i> . <i>Sabellaria spinulosa</i> f.c. <i>Buccinum undatum</i> f.c. <i>Asterias rubens</i> f.c.	
5.30 p.m.	6.15 p.m.	3	From fifth to sixth hour flood.	Moderately rough.	W.S.W. 6.	Dull, rainy.	Came fast to ross bank, net very badly torn.	Very little taken	R. A. Todd, G. T. Atkinson.
9.30 a.m.	1.30 p.m.	4	From 2 $\frac{1}{2}$ hours ebb to 1 $\frac{1}{2}$ hours flood.	Moderately rough.	W.S.W. 5.	Cloudy, showery.	—	<i>Eupagurus bernhardus</i> c. <i>Asterias rubens</i> , <i>Spatangus purpureus</i> .	Several sailing trawlers about us.
(1st) 8.30 p.m.	(2nd) 1.30 a.m.	5	From 1 hour to 5 $\frac{1}{2}$ hours ebb.	Moderately smooth.	E.N.E. 4	Cloudy.	—	<i>Hydrallmania falcata</i> f.c. <i>Buccinum undatum</i> spawn. <i>Eupagurus bernhardus</i> c., <i>Portunus holsatus</i> . <i>Asterias rubens</i> f.c.	
11.30 a.m.	2.30 p.m.	3	From 3 to 6 hours ebb.	Moderately rough.	N.E. 6	Cloudy.	—	<i>Hydrallmania falcata</i> f.c., <i>Hydractinia echinata</i> . <i>Eupagurus bernhardus</i> , <i>Portunus holsatus</i> . <i>Asterias rubens</i> f.c.	1 steam trawler, the "Aries" of Grimsby, with us.

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot-ing.	Towing.	Haul-ing.	Shoot-ing.	Towing.	Haul-ing.
XLIX	10	Mar.	2-3	B 292	Markham's Hole ..	53° 45½' N., 2° 32½' E.	E. 2½ miles N.W. by W. ½ W. 7 miles.	53° 47½' N., 2° 26' E.	20	33	19	f.s.	s. & m.	sharp s.
"	24	"	3	O 278	Off Grounds	54° 2½' N., 1° 15½' E.	N.W. by N. ¼ N. 12½ miles	54° 13' N., 1° 1½' E.	21	29	33	f.d.s.	..	f.d.s.
"	25	"	4	O 279	The Hills.. ..	54° 17¾' N., 1° 8¾' E.	E. ¼ N. 3¼ miles S. by E. 3¾ miles. N.W. ¼ N. 2 miles.	54° 16¾' N., 1° 12¾' E.	26	30	24	f.d.s.	f.d.s.	f.d.s.
"	26	"	"	O 280	"	54° 16¾' N., 1° 12¾' E.	E.N.E. 2¼ miles W. by N. 5 miles. N.E. ½ N. 2½ miles.	54° 20½' N., 1° 8¾' E.	24	27	15	f.g.s.	f.d.s.	f.s.
L	1	"	8	B 293	Hartlepool	54° 41' N., 0° 45½' W.	N.N.W. 4½ miles	54° 44¾' N., 0° 50' W.	27	..	29	c.s. & gvl.	..	m.
"	8	"	10	B 294	North of Hartlepool	54° 45½' N., 1° 14½' W.	S. by E. ¾ E. 1½ miles	54° 43¾' N., 1° 12½' W.	10	6½	5	c.s.	f.s.	c.s.
"	9	"	17	O 281	Hartlepool Ground..	54° 40½' N., 1° 4½' W.	E. by N. 5 miles	54° 43' N., 0° 56¾' W.	14	29	25	f.d.s.	f.d.s.	f.d.s.
"	12	"	"	O 282	"	54° 43' N., 0° 54½' W.	E.N.E. 1¼ miles W. by S. 2½ miles. N.N.W. ¾ mile.	54° 42¾' N., 0° 58' W.	27	..	27	f.d.s. & m.	..	f.d.s. & m.
"	13	"	"	O 283	Whitby Ground ..	54° 41¾' N., 0° 23¾' W.	E. ½ N. 4¾ miles	54° 43¾' N., 0° 16¾' W.	34	..	34	f.d.s.	..	f.d.s.
"	16	"	17-18	O 284	"	54° 44' N., 0° 18' W.	W. by S. ¼ S. 2¾ miles E. by S. ¾ S. 6 miles. W. by S. ¼ S. 4½ miles.	54° 40' N., 0° 18½' W.	34	..	35	f.d.s.	..	f.d.s.
"	17	"	18	O 285	"	54° 40' N., 0° 18½' W.	E. 5 miles W. by N. ¼ N. 6 miles. N.E. 2 miles.	54° 41½' N., 0° 17' W.	35	..	35	f.d.s.	..	f.d.s.
"	24	"	"	O 286	West of Brucey's Garden.	54° 55½' N., 0° 19½' W.	E. ¾ N. 5¾ miles	54° 58' N., 0° 28½' E.	42	..	43	f.d.s.	..	f.d.s.
"	25	"	"	O 287	"	54° 58½' N., 0° 29¾' E.	E. by N. 7¾ miles S.W. by W. ¾ W. 3 miles. E. by S. 3¼ miles.	55° 0' N., 0° 42' E.	43	..	37	f.d.s.	..	f.d.s.
"	28	"	19	O 288	Brucey's Garden ..	55° 0' N., 0° 42' E.	S.E. by E. ½ E. 4¾ miles	54° 58½' N., 0° 50' E.	37	..	33	f.s.	..	f.s.
"	31	"	"	O 289	Dogger Bank, North of South West Patch.	54° 35½' N., 1° 46' E.	E. by S. ¼ S. 4¼ miles E.N.E. 8 miles.	54° 41' N., 2° 4½' E.	11½	..	13	f.g.s.	..	f.g.s.
LI	2	"	31	B 295	Brielle Ground ..	52° 5½' N., 3° 47¾' E.	N.W. by W. ¾ W. 4½ miles	52° 6¾' N., 3° 41' E.	13	..	11	f.s.	..	f.s. & sh.
"	3	"	"	B 296	"	52° 6¾' N., 3° 41' E.	N. 3¼ miles E. by N. 1¼ miles.	52° 10¾' N., 3° 41½' E.	11	..	13	f.s. & sh.	..	f.br.s.
"	4	"	"	B 297	"	52° 14' N., 3° 46½' E.	E.N.E. 5 miles	52° 17¾' N., 3° 53½' E.	14½	..	13	f.s.	..	f.g.br.s.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
(2nd) 9.30 p.m.	(3rd) 1.30 a.m.	4	From 1/2 to 4 1/2 hours ebb.	Moderately rough.	N.N.E. 3	Cloudy.	—	<i>Aleyonium digitatum</i> c., <i>Hydrallmania falcata</i> c., <i>Tubularia indivisa</i> c., <i>Actinoloba dianthus</i> f.c., <i>Buccinum undatum</i> spawn, v.c., <i>Cyprina islandica</i> , <i>Fusus antiquus</i> , <i>Eupagurus bernhardus</i> c., <i>Portunus holsatus</i> c., <i>Cancer pagurus</i> , <i>Hyas coarctatus</i> , <i>Asterias rubens</i> c., <i>Spatangus purpureus</i> f.c., <i>Callionymus lyra</i> , <i>Cyclopterus lumpus</i> .	2 steam trawlers about us.
7 p.m.	Midnight.	5	From first to sixth hours ebb.	Smooth	Variable 1-2.	Fine, cloudy.	Ground rope parted, and net very badly torn.	<i>Aleyonium digitatum</i> c. <i>Eupagurus bernhardus</i> .	Had a trawl beam and trawl head in our trawl.
9.45 a.m.	1.45 p.m.	4	Last 2 hours ebb; first 2 hours flood.	Moderately rough.	S.W. by W. 6.	Overcast, dull.	—	<i>Actinoloba dianthus</i> , <i>Aleyonium digitatum</i> <i>Buccinum undatum</i> , <i>Fusus antiquus</i> , <i>Eupagurus bernhardus</i> f.c., <i>Asterias rubens</i> c.	4 steam trawlers about us.
2.15 p.m.	6.15 p.m.	4	From second to sixth hours flood.	Moderately rough.	S.W. by S. 4.	Cloudy.	—	<i>Actinoloba dianthus</i> , <i>Aleyonium digitatum</i> , <i>Buccinum undatum</i> , <i>Fusus antiquus</i> , <i>Eupagurus bernhardus</i> f.c., <i>Asterias rubens</i> , <i>Ophiothrix fragilis</i> .	
7 p.m.	9 p.m.	2	First 2 hours ebb.	Moderately smooth.	W.S.W. 6	Cloudy, hazy.	Ground rope parted, and net very badly torn.	Very little taken	W. Wallace, R. A. Todd, G. T. Atkinson.
6.45 a.m.	7.35 a.m.	5/8	From 5 1/4 hours to 6 hours flood.	Smooth	W. by S. 7	Cloudy.	Came fast probably to a wreck; broke beam, lost aft trawl head, ground rope, &c.; net very badly torn.	" "	
8 a.m.	10 a.m.	2	First 2 hours flood.	Moderately smooth.	W.S.W. 4	Cloudy, hazy.	Net slightly torn.	<i>Actinoloba dianthus</i> c., <i>Aleyonium digitatum</i> .	
Noon	2 p.m.	2	From fourth to sixth hour flood.	Moderately smooth.	W.S.W. 3	Fine, cloudy, hazy.	—	<i>Aleyonium digitatum</i> , <i>Antennularia antennina</i> , <i>Asterias rubens</i> .	
6.45 p.m.	8.45 p.m.	2	From fourth to sixth hour ebb.	Moderately smooth.	S.S.W. 3	Fine, hazy, cloudy.	—	<i>Aleyonium digitatum</i> , <i>Cellepora pumicosa</i> c., <i>Buccinum undatum</i> , <i>Asterias rubens</i> , <i>Luidia sarsi</i> .	
10 p.m.	3 a.m.	5	First 5 hours flood.	Smooth	S. 3	Hazy, cloudy.	—	<i>Aleyonium digitatum</i> f.c., <i>Actinoloba dianthus</i> , <i>Buccinum undatum</i> , <i>Fusus antiquus</i> , <i>Pecten opercularis</i> , <i>Asterias rubens</i> c., <i>Ophiura ciliaris</i> c., <i>Luidia sarsi</i> .	
4 a.m.	9 a.m.	5	Last hour flood; first 4 hours ebb.	Smooth	S. 3	Fine, hazy.	—	<i>Sertularia abietina</i> c. <i>Aleyonidium gelatinosum</i> f.c., <i>Flustra securifrons</i> f.c., <i>Sabella pavonina</i> , <i>Dendronotus arborescens</i> , <i>Pecten opercularis</i> , <i>Asterias rubens</i> c., <i>Ophiothrix fragilis</i> c., <i>Ophiura ciliaris</i> c.	2 steam trawlers about us.
3.50 p.m.	6.20 p.m.	2 1/2	First 2 1/2 hours ebb.	Smooth	W.S.W. 3	Fine, hazy, cloudy.	Had a "pull-out" at a wreck, hauled, found net all right.	<i>Halecium halectum</i> f.c. <i>Cellepora pumicosa</i> c., <i>Buccinum undatum</i> , <i>Asterias rubens</i> , <i>Brissopsis lyrifera</i> .	
7 p.m.	Midnight	5	Last 3 hours ebb; first 2 hours flood.	Smooth	W. by S. 3.	Fine, cloudy.	—	<i>Actinoloba dianthus</i> c., <i>Aleyonium digitatum</i> <i>Buccinum undatum</i> spawn f.c., <i>Pecten opercularis</i> f.c., <i>Fusus antiquus</i> , <i>Tritonia hombergi</i> , <i>Eupagurus bernhardus</i> , <i>Asterias rubens</i> f.c., <i>Ophiura ciliaris</i> f.c., <i>Spatangus purpureus</i> f.c., <i>Astropecten irregularis</i> .	2 steam trawlers with us.
2.45 a.m.	4.10 a.m.	1 1/2	Last 1 1/2 hours flood.	Smooth	W.S.W. 4.	Fine, cloudy, hazy.	Gear foul, hauled, net slightly torn.	Not recorded.	
10.10 a.m.	3.10 p.m.	5	Last 1 1/2 hours ebb; first 3 1/2 hours flood.	Smooth	W. by S. 3.	Fine, cloudy.	Broke starboard piston of winch, hauled gear with tackle.	<i>Eupagurus bernhardus</i> f.c., <i>Asterias rubens</i> v.c., <i>Echinocardium cordatum</i> .	
4.10 a.m.	6.10 a.m.	2	Second to fourth hours ebb.	Moderately smooth.	N.W. 4.	Fine, cloudy, hazy.	—	Very little taken	J. O. Borley, J. Potter G. T. Atkinson. 1 sailing trawler with us.
6.30 a.m.	8.30 a.m.	2	Fourth to sixth hours ebb.	Moderately smooth.	N.W. by N. 5.	Fine, cloudy, hazy.	—	" "	
9.30 a.m.	11.30 a.m.	2	1 1/2 to 3 1/2 hours flood.	Moderately rough.	W. 5	Fine, cloudy, hazy.	—	" "	Several Dutch fishing craft about.

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot- ing.	Towing.	Haul- ing.	Shoot- ing.	Towing.	Haul- ing.
LII	5	Mar.	31	B 298	Brielle Ground ..	52° 17½' N., 3° 54½' E.	E. by N. 5 miles	52° 19½' N., 4° 2' E.	13	..	13	f.g.br. s.	..	f.s.
LII	22	Apr.	8	B(c.) 299	Lowestoft Flats ..	52° 24½' N., 1° 57' E.	E.S.E. 3 miles	52° 23½' N., 2° 2½' E.	17	..	19½	c.s.	..	s. & ross
LIII	1	"	18	O 290	Off Scheveningen ..	52° 11½' N., 4° 11½' E.	N.W. by W. ¼ W. 2½ miles	52° 11½' N., 4° 7½' E.	10	..	11	d.s.	..	d.s.
"	2	"	"	O 291	" ..	52° 11½' N., 4° 7½' E.	N.W. by W. ¼ W. 2½ miles	52° 12½' N., 4° 3½' E.	11	..	12	d.s.	..	d.br.s.
"	3	"	"	O 292	North West of Scheveningen	52° 12½' N., 4° 3½' E.	N.W. by W. ½ W. 5 miles	52° 13½' N., 3° 55½' E.	12	..	12	f.br.s.	..	f.br.s.
"	5	"	19	O 293	" ..	52° 16½' N., 4° 7½' E.	W. by N. ½ N. 4 miles	52° 16½' N., 4° 1' E.	10½	..	12	g.br.s.	..	g.br.s.
"	6	"	"	O 294	" ..	52° 16' N., 4° 0½' E.	W. ½ N. 3½ miles	52° 16½' N., 3° 54½' E.	12	..	12½	g.br.s.	..	g.br.s.
"	7	"	"	O 295	Northern Edge of Brielle Ground.	52° 16' N., 3° 54' E.	N.W. by W. ¼ W. 4 miles	52° 17½' N., 3° 48½' E.	12½	..	13	g.br.s.	..	g.br.s.
"	8	"	"	O 296	" ..	52° 17½' N., 3° 48½' E.	N. ¼ W. 4 miles	52° 21' N., 3° 46½' E.	13	..	14	g.br.s.	..	g.br.s.
LIV	1	"	28	O 297	West of Middle Ground.	52° 16½' N., 2° 33½' E.	E.N.E. 4½ miles	52° 18½' N., 2° 39' E.	23	..	23	g.s. & sh.	..	g.s.
"	2	"	"	O 298	Middle Ground ..	52° 18½' N., 2° 39' E.	E. by N. ½ N. 3½ miles	52° 20½' N., 2° 44' E.	23	..	24	g.s.	..	g.br.s.
"	3	"	"	O 299	" ..	52° 18½' N., 2° 44½' E.	N.E. 3½ miles	52° 21½' N., 2° 48' E.	21	..	20	g.br.s. & sh.	..	g.br.s. & sh.
LV	1	May	9	O 300	North part of Leman Ground.	53° 37½' N., 2° 9' E.	S.E. ¼ S. 12½ miles	53° 30½' N., 2° 27½' E.	14	..	15½	c.s.	..	d.s.
"	2	"	10	O 301	Leman Ground ..	53° 28½' N., 2° 34½' E.	S.E. by E. ¾ E. 10½ miles	53° 25½' N., 2° 52' E.	15½	..	16	f.d.s.	..	f.d.s.
"	3	"	"	O 302	Eastern Edge of Leman Ground.	53° 25½' N., 2° 57' E.	S.E. ¼ S. 10½ miles	53° 18½' N., 3° 12' E.	16	..	13½	f.d.s.	..	f.d.s.
"	4	"	"	O 303	North of Brown Bank.	53° 18½' N., 3° 12' E.	S.E. ¾ E. 9½ miles	53° 14½' N., 3° 27' E.	19½	..	15	f.d.s.	..	f.d.s.
"	5	"	"	O 304	N.E. of Brown Bank.	53° 14½' N., 3° 27' E.	S.E. by E. ¼ E. 12½ miles	53° 11½' N., 3° 46½' E.	15	..	13½	f.d.s.	..	f.d.s.
"	6	"	11	O 305	East of Brown Bank.	53° 11½' N., 3° 46½' E.	S.E. by S. ½ S. 12 miles	53° 1' N., 4° 1½' E.	13½	..	14½	f.d.s.	..	f.g.s.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks. Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
Noon	2 p.m.	2	Fourth to sixth hours flood.	Moderately rough.	W. by S. 5.	Fine, cloudy, hazy.	—	Very little taken	Several Dutch fishing craft and 1 steam trawler about us.
6 a.m.	7.30 a.m.	1½	From fifth hour ebb to ½ hour flood.	Moderately rough.	N.N.W. 5.	Heavy clouds and snow showers.	—	<i>Flustra foliacea</i> c. Sabellaria spinulosa v.c. <i>Pandalus annulicornis</i> , <i>Crangon allmani</i> , <i>Echinus miliaris</i> c.	J. O. Borley and J. Potter. Small mesh net round ordinary trawl.
1.25 p.m.	2.25 p.m.	1	From 3¼ to 4½ hours flood.	Moderately rough.	E.N.E. 5.	Cloudy	—	<i>Aurelia aurita</i> c. <i>Asterias rubens</i> .	R. A. Todd, J. Potter.
2.50 p.m.	3.50 p.m.	1	From fifth to sixth hour flood.	Moderately rough.	E.N.E. 5.	Cloudy, overcast.	—	<i>Aurelia aurita</i> f.c. Very little else.	Several Dutch fishing craft about.
4.15 p.m.	6.15 p.m.	2	Second 2 hours ebb.	Moderately rough.	E.N.E. 5.	Overcast	—	Very little taken	Several Dutch fishing craft about.
6.15 a.m.	7.45 a.m.	1½	From 1 hour to 2½ hours ebb.	Moderately rough.	E. by N. 5.	Cloudy, overcast.	—	" "	Several Dutch fishing craft about.
8.15 a.m.	9.45 a.m.	1½	From third to 4½ hours ebb.	Moderately rough.	E. 5	Cloudy, overcast.	—	" "	Several Dutch fishing craft about.
10.15 a.m.	11.45 a.m.	1½	From fifth hour ebb to ½ hour flood.	Moderately rough.	E. 5	Cloudy, overcast.	—	" "	Several Dutch fishing craft and 1 steam trawler with us.
12.10 p.m.	1.45 p.m.	1½	From 1 hour to 1½ hours flood.	Moderately rough.	E. 5	Cloudy, overcast.	—	<i>Eupagurus bernhardus</i> <i>Asterias rubens</i> .	Several Dutch fishing craft, one steam trawler, and 3 English fishing smacks with us.
4 a.m.	6 a.m.	2	Third to fifth hour flood.	Rough	S.W. 6	Cloudy, overcast.	—	<i>Eupagurus bernhardus</i> c. <i>Spatangus purpureus</i> .	W. Wallace, G. T. Atkinson. Several drifters about us.
6.30 a.m.	8 a.m.	1½	From 5½ hours flood to first hour ebb.	Rough	S.W. 7	Overcast, cloudy.	—	<i>Eupagurus bernhardus</i> , <i>Spatangus purpureus</i> .	
Noon.	1.30 p.m.	1½	From fifth hour ebb to ½ hour flood.	Rough	S.W. 7	Overcast, cloudy.	—	<i>Eupagurus bernhardus</i> c. <i>Echinocardium cordatum</i> , <i>Spatangus purpureus</i> .	
8 p.m.	Mid-night.	4	First 4 hours flood.	Moderately smooth.	S.W. by W. 3.	Cloudy, overcast.	Ground rope parted and belly "all to pieces."	Nothing taken	W. Wallace, G. T. Atkinson.
6 a.m.	10 a.m.	4	From fourth hour ebb to second hour flood.	Smooth	W. by S. 3.	Cloudy, fine.	—	<i>Aphrodite aculeata</i> , Echinocardium cordatum v. abundant, Asterias rubens v.c., <i>Astropecten irregularis</i> c.	
10.30 a.m.	2.30 p.m.	4	Last 4 hours flood.	Moderately smooth.	W.S.W. 4.	Fine, cloudy, hazy.	—	<i>Aphrodite aculeata</i> , Echinocardium cordatum v. abundant, Asterias rubens v.c., <i>Astropecten irregularis</i> c.	
3 p.m.	7 p.m.	4	From slack water to fourth hour ebb.	Moderately smooth.	S.W. 3	Fine, cloudy, hazy.	—	<i>Asterias rubens</i> c., <i>Astropecten irregularis</i> c., <i>Echinocardium cordatum</i> c.	
7.30 p.m.	Mid-night.	4½	From 2½ hours ebb to second hour flood.	Smooth	.. ..	Fine, cloudy, hazy.	—	<i>Corystes cassivelaunus</i> , Astropecten irregularis v.c., <i>Asterias rubens</i> f.c.	
12.30 a.m.	5 a.m.	4½	From second hour ebb to ½ hour flood.	Smooth	W.N.W. 4.	Fine, hazy.	—	Not recorded.	

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot- ing.	Tow- ing.	Haul- ing.	Shoot- ing.	Tow- ing.	Haul- ing.
LV	7	May	11	O 306	Texel Ground ..	53° 1' N., 4° 13' E.	S.E. by S. 1/4 S. 10 miles	52° 53' N., 4° 14' E.	14 1/2	..	16	f.g.s.	..	f.g.s.
"	8	"	"	O 307	" " ..	52° 53 1/2' N., 4° 14' E.	S. by W. 4 1/2 miles E. 1/4 N. 5 1/2 miles.	52° 51 1/2' N., 4° 24 1/2' E.	16	13	12	f.g.s.	f.g.s.	f.g.s.
"	9	"	"	O 308	" " ..	52° 51 1/2' N., 4° 24 1/2' E.	N. 5 miles S. by E. 1 mile. N.E. 1 mile.	52° 50 3/8' N., 4° 23 3/8' E.	12	..	13 1/2	f.g.s.	..	f.g.s.
"	10	"	"	O 309	" " ..	52° 56 3/8' N., 4° 23 3/8' E.	S. 8 1/2 miles	52° 48 3/8' N., 4° 27 1/2' E.	13 1/2	..	11	f.g.s.	..	f.g.s.
"	11	"	12	B(c) 300	South West of Kyk- duin Light-house.	52° 48 3/8' N., 4° 35 1/2' E.	S.W. 5/8 S. 3 1/2 miles	52° 45 3/8' N., 4° 33 3/8' E.	7	..	9	f.d.s.	..	f.d.s. & m.
"	12	"	15	B(c) 301	" " "	52° 49 1/2' N., 4° 36 1/2' E.	S.W. 1/4 S. 4 miles	52° 46' N. 4° 33' E.	7	..	10	f.d.s.	..	f.d.s.
"	13	"	16	O 310	Brown Ridges ..	52° 44 3/8' N., 3° 37' E.	W. by N. 1/4 N. 12 1/2 miles	52° 44 1/2' N., 3° 17 1/2' E.	15	..	16	f.g.s.	..	f.g.br. s.
"	14	"	"	O 311	West part of Brown Ridges.	52° 44 1/2' N., 3° 17 1/2' E.	S.W. by W. 3/4 W. 3 1/2 miles N. by E. 5 1/2 miles. S.W. by S. 1/2 S. 3 1/2 miles.	52° 44 1/2' N., 3° 12 1/2' E.	16	..	16	f.g.br. s.	..	f.g.s.
LVI	9	"	24	B 302	Bridlington Bay ..	54° 3 3/8' N., 0° 8 1/2' W.	S.W. by S. 1/2 S. 1 1/2 miles	54° 2' N., 0° 9 1/2' W.	5	..	6	f.d.s.	..	f.d.s.
"	10	"	"	B 303	" " ..	54° 2' N., 0° 9 1/2' W.	S. 3/4 E. 3/4 mile N.E. by N. 1/2 N. 1/2 mile.	54° 2 1/2' N., 0° 8 3/4' W.	6	..	6	f.d.s.	..	f.d.s.
"	11	"	"	B 304	" " ..	54° 2 1/2' N., 0° 8 3/4' W.	S.S.W. 1/4 miles N.N.W. 1/4 miles. S. by E. 1/2 E. 1/2 mile.	54° 1' N., 0° 9 1/2' W.	6	..	6 1/2	f.d.s.	..	f.d.s.
"	13	"	25	B 305	North East of Brown Ridges.	52° 53' N., 3° 49' E.	E. by S. 1/2 S. 3 1/2 miles	52° 52 3/4' N., 3° 54 1/2' E.	15	..	14	f.d.s.	..	f.d.s.
"	14	"	"	B 306	Texel Ground ..	52° 54' N., 4° 16 1/2' E.	E. 5/8 S. 1 1/2 miles	52° 54 1/2' N., 4° 19 1/2' E.	15	..	13	f.d.s.	..	f.d.s.
"	15	"	"	B 307	" " ..	52° 54 1/2' N., 4° 19 1/2' E.	E. by S. 1 mile N.N.E. 1 mile.	52° 55 1/2' N., 4° 21' E.	13	..	13	f.d.s.	..	f.d.s.
"	16	"	"	B 308	" " ..	52° 55 1/2' N., 4° 21' E.	N.W. by N. 5/8 N. 2 miles	52° 56 3/4' N., 4° 18 3/4' E.	13	..	13 1/2	f.d.s.	..	f.d.s.
"	17	"	"	B 309	" " ..	52° 56 3/4' N., 4° 18 3/4' E.	E. by N. 1 mile W. by N. 1 mile.	52° 57 3/4' N., 4° 19' E.	13 1/2	..	13 1/2	f.d.s.	..	f.d.s.
"	18	"	"	B 310	" " ..	52° 57 3/4' N., 4° 19' E.	W. by S. 1/2 S. 2 1/2 miles	52° 56' N., 4° 15 1/2' E.	13 1/2	..	14	f.d.s.	..	f.g.s.
"	19	"	"	B 311	" " ..	52° 56' N., 4° 15 1/2' E.	N.W. 1/2 N. 2 1/2 miles	52° 57 1/4' N., 4° 12 3/8' E.	14	..	17	f.g.s.	..	f.g.s.
"	20	"	"	B 312	" " ..	52° 57 1/4' N., 4° 12 3/8' E.	N.E. by N. 1/2 N. 4 miles	53° 1 1/2' N., 4° 13 3/8' E.	17	..	17	f.g.s.	..	f.g.s.
"	28	"	26	B(c) 313	Dogger Bank, North part of South West Patch.	54° 37' N., 1° 47' E.	E. 1/4 N. 1 1/2 miles	54° 37 3/8' N., 1° 49 1/2' E.	11 1/2	..	12	f.g.s. & sh.	..	f.g.s. & sh.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks. Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
5.30 a.m.	10 a.m.	4½	From sixth hour ebb to 4½ hours flood.	Smooth	W. 4	Fine, cloudy, hazy.	—	<i>Cancer pagurus</i> <i>Asterias rubens</i> v.c., <i>Astropecten irregularis</i> .	Several Dutch fishing craft about.
10.30 a.m.	3 p.m.	4½	From last hour flood to 3½ hours ebb.	Smooth	W. 4	Fine, cloudy, hazy.	—	Not recorded	Several Dutch fishing craft about.
3.30 p.m.	7.30 p.m.	4	Last 3 hours ebb : first hour flood.	Smooth	N.W. by W. 3.	Fine, cloudy, hazy.	—	"	Several Dutch fishing craft about.
8 p.m.	Midnight.	4	From 1½ hours to 5½ hours flood.	Smooth	N.W. 2	Dull, hazy, rainy.	—	<i>Cyclopterus lumpus</i> Invertebrates not recorded.	Several Dutch fishing craft about.
5.30 a.m.	7 a.m.	1½	Last ½ hour ebb ; first hour flood.	Moderately smooth.	N. 4	Fine, cloudy.	—	<i>Trachinus vipera</i> , <i>Cottus scorpius</i> Invertebrates not recorded.	Small mesh net round ordinary trawl
3.20 p.m.	5.20 p.m.	2	From slack water to second hour ebb.	Moderately smooth.	N.N.E. 6.	Fine, cloudy.	—	<i>Pholas crispata</i> c. "in moorlog" <i>Cottus scorpius</i> , <i>Trachinus vipera</i> .	" Moorlog " present. Small mesh net round ordinary trawl.
4.40 a.m.	9 a.m.	4½	From second hour to sixth hour flood.	Moderately rough.	N.E. by E. 6.	Cloudy, fine.	—	<i>Eupagurus bernhardus</i> . <i>Asterias rubens</i> f.c., <i>Astropecten irregularis</i> f.c.	Several sailing trawlers about us.
9.30 a.m.	2.30 p.m.	5	From first to sixth hour ebb.	Rough	N.E. 7	Cloudy, fine.	—	<i>Asterias rubens</i> c., <i>Astropecten irregularis</i> c., <i>Spatangus purpureus</i> .	Several sailing trawlers about us.
6.45 a.m.	7.45 a.m.	1	From second to third hour flood.	Smooth	W. 4	Cloudy, showery.	—	<i>Hydrallmania falcata</i> <i>Setularia operculata</i> f.c. <i>Flustra foliacea</i> f.c.	W. Garstang, R. A. Todd, A. J. Arrow-smith.
8.15 a.m.	9.15 a.m.	1	From third to fourth hour flood.	Smooth	W. 4	Cloudy, showery.	—	<i>Cancer pagurus</i> .	
9.35 a.m.	10.35 a.m.	1	Five hours flood to ½ hour ebb.	Smooth	N. by E. 3.	Cloudy, showery.	—	Very little taken.	
6.30 a.m.	7.45 a.m.	1½	From first to 2½ hours flood.	Moderately smooth.	Variable 2.	Fine, hazy.	—	<i>Astropecten irregularis</i> c. <i>Asterias rubens</i> .	Several Dutch craft about us, and one steam trawler.
10.10 a.m.	11.10 a.m.	1	Last hour flood.	Moderately smooth.	S.W. 2	Fine, hazy.	—	<i>Asterias rubens</i> .	
11.35 a.m.	12.35 p.m.	1	First hour ebb.	Moderately smooth.	W. 2	Fine, hazy.	—	<i>Astropecten irregularis</i> f.c., <i>Asterias rubens</i> ..	2 steam trawlers about us.
1 p.m.	2 p.m.	1	Second hour ebb.	Moderately smooth.	S.W. 2	Fine, hazy.	—	<i>Asterias rubens</i> f.c., <i>Ophiura ciliaris</i> f.c., <i>Astropecten irregularis</i> .	3 Dutch steam trawlers about us.
2.25 p.m.	3.25 p.m.	1	From 2½ hours to 3½ hours ebb.	Moderately smooth.	S.W. 2	Fine, hazy.	—	Not recorded	1 steam trawler with us.
4 p.m.	5 p.m.	1	Fourth to fifth hour ebb.	Smooth	S.W. 2	Fine, hazy.	—	<i>Asterias rubens</i> c., <i>Astropecten irregularis</i> c., <i>Ophiura ciliaris</i> .	2 steam trawlers with us.
5.20 p.m.	6.20 p.m.	1	Last hour ebb.	Smooth	S.W. 2	Fine, hazy.	—	<i>Astropecten irregularis</i> f.c., <i>Asterias rubens</i> , <i>Ophiura ciliaris</i> .	1 steam trawler with us.
6.45 p.m.	8.15 p.m.	1½	First 1½ hour flood.	Smooth	S.W. 2	Fine, hazy.	—	<i>Astropecten irregularis</i> c., <i>Asterias rubens</i> f.c. ..	1 steam trawler with us.
7.20 p.m.	8.20 p.m.	1	First hour flood.	Moderately smooth.	S.S.W. 5	Cloudy, hazy.	—	<i>Sertularia abietina</i> c., <i>Pecten opercularis</i> . <i>Asterias rubens</i> c. <i>Trachinus vipera</i> .	

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot- ing.	Towing.	Haul- ing.	Shoot- ing.	Towing.	Haul- ing.
LVI	30	May	29	B 314	Off Saltfleet ..	53° 24½' N., 0° 18' E.	S. ½ E. 2 miles	53° 22½' N., 0° 19' E.	7	..	7	c.d.s.	..	d.s. gvl.
"	31	"	"	B 315	Off Mablethorpe ..	53° 22½' N., 0° 19' E.	S.S.E. 1 mile N.E. ½ N. 1 mile.	53° 23½' N., 0° 21½' E.	7	..	6	s. & gvl.	..	s. & gvl.
"	32	"	"	B 316	" "	53° 23½' N., 0° 21½' E.	E.N.E. 1 mile S. ½ E. 1 mile.	53° 22½' N., 0° 24' E.	6	..	7	s. & gvl.	..	s. & gvl.
"	33	"	30	B 317	Flamborough Off ..	53° 57½' N., 0° 39½' E.	E. ½ N. 2½ miles	53° 58½' N., 0° 44' E.	25	..	26	c.d.s.	..	f.d.s.
"	34	"	"	B 318	" "	53° 58½' N., 0° 44' E.	N. ¼ E. 7½ miles E. by S. ½ S. 2 miles.	54° 5½' N., 0° 44½' E.	26	..	27	f.d.s.	..	f.d.s.
"	35	"	"	O 312	" "	54° 5½' N., 0° 44½' E.	N.W. by N. ¼ N. 2½ miles S. by W. ¼ W. 5 miles. N.E. by E. 2½ miles.	54° 3½' N., 0° 42½' E.	27	..	27	f.d.s.	..	f.d.s.
"	36	"	"	B (c) 319	" "	54° 2' N., 0° 42½' E.	W. by S. 2½ miles	54° 1' N., 0° 38½' E.	27	..	26	f.d.s.	..	g.s. & sh.
"	38	"	"	O 313	South of The Hills ..	54° 9½' N., 0° 55½' E.	E.N.E. 5 miles	54° 12½' N., 1° 2' E.	27	..	29	f.g.s.	..	f.g.s.
"	40	"	31	O 314	Dogger Bank, North of South West Patch.	54° 43½' N., 2° 9½' E.	E. by S. ½ S. 10 miles	54° 43' N., 2° 29½' E.	14½	..	10½	f.g.s. & sh.	..	f.g.s. & sh.
"	42	"	"	B (c) 320	Dogger Bank, North Edge of Eastern Shoal.	54° 43' N., 2° 29½' E.	W.S.W. 1 mile E.S.E. 1 mile.	54° 42' N., 2° 29½' E.	10½	..	10½	f.g.s. & sh.	..	f.g.s. & sh.
"	43	"	"	O 315	Dogger Bank, East- ern Shoal.	54° 38' N., 2° 34½' E.	E. ½ S. 10 miles	54° 39½' N., 2° 52' E.	11	..	16	f.g.s. & sh.	..	f.d.g.s.
"	45	"	"	O 316	Dogger Bank, Hos- pital Ground.	54° 34' N., 2° 56' E.	S. ¼ E. 7½ miles	54° 26½' N., 2° 59' E.	18½	..	19½	f.d.g.s.	..	f.d.g.s.
"	47	June	1	O 317	North of Cleaver Bank.	54° 21½' N., 3° 23' E.	E. ½ S. 6½ miles	54° 22½' N., 3° 35' E.	25	..	23	s. & m.	..	f.d.s.
"	53	"	"	B 321	Between Cleaver Bank and New Zealand.	53° 50' N., 3° 29½' E.	E by S. ¼ S. 5 miles	53° 49½' N., 3° 37½' E.	21	..	19	f.g.s.	..	f.g.s.
"	56	"	2	B 322	Brown Bank ..	53° 10½' N., 3° 21½' E.	S.W. by W. ¼ W. 1½ miles N. ½ W. 3 miles.	53° 12½' N., 3° 18½' E.	15	..	13½	f.g.s.	..	f.g.s.
"	57	"	"	B 323	" "	53° 12½' N., 3° 18½' E.	S. ¾ W. 2½ miles E. by N. ¼ N. 3 miles.	53° 12½' N., 3° 23½' E.	13½	..	17½	f.g.s.	..	f.g.s.
LVII	21	"	16	B 324	Lynn Deep ..	52° 56½' N., 0° 17½' E.	N.E. ½ E. 3 miles	52° 59½' N., 0° 20½' E.	9	12-14	16	s.m.	s.m.	c.s.m.
"	22	"	"	B 325	Off Mablethorpe ..	53° 19½' N., 0° 24' E.	N.N.W. 3½ miles S.E. by S. ¼ S. 1½ miles S. ½ mile.	53° 21' N., 0° 24½' E.	7½	8-9	7½	spk.s.	s.m.	spk.s.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
4.40 p.m.	5.40 p.m.	1	Second to third hour ebb.	Smooth	W. by S. 3	Fine, cloudy.	—	<i>Hydrallmania falcata</i> f.c., <i>Sertularia abietina</i> f.c., <i>Flustra foliacea</i> f.c., <i>Cancer pagurus</i> , <i>Eupagurus bernhardus</i> , <i>Solaster papposus</i> c., <i>Asterias rubens</i> .	3 steam trawlers about us.
6.10 p.m.	7.10 p.m.	1	3½ hours to 4½ hours ebb.	Smooth	W. by S. 3	Fine, cloudy, hazy.	—	<i>Sertularia abietina</i> c., <i>Hydrallmania falcata</i> f.c., <i>Flustra foliacea</i> abundant, <i>Cancer pagurus</i> , <i>Eupagurus bernhardus</i> , <i>Pandalus montagui</i> .	
7.30 p.m.	8.30 p.m.	1	Fifth to sixth hour ebb.	Smooth	Variable 2	Fine, cloudy.	—	<i>Sertularia abietina</i> f.c. <i>Flustra foliacea</i> c. <i>Cancer pagurus</i> , <i>Eupagurus bernhardus</i> , <i>Echinus miliaris</i> , <i>Solaster papposus</i> .	3 steam trawlers about us.
3.30 a.m.	4.30 a.m.		Last hour flood.	Smooth	N.N.W. 2	Fine, cloudy.	—	<i>Hyas coarctatus</i> <i>Asterias rubens</i> , <i>Ophiothrix fragilis</i> .	2 steam trawlers about us.
5 a.m.	9 a.m.	4	First to fifth hour ebb.	Smooth	N.W. 2	Fine, cloudy.	—	<i>Actinoloba dianthus</i> f.c., <i>Alcyonium digitatum</i> . . <i>Pycnogonum littorale</i> f.c., <i>Hyas coarctatus</i> , <i>Asterias rubens</i> c., <i>Ophiothrix fragilis</i> c., <i>Echinocardium cordatum</i> , <i>Callionymus lyra</i> .	2 steam trawlers about us.
9.45 a.m.	1.45 p.m.	4	Last hour ebb; first 3 hours flood.	Smooth	Variable	Overcast	Had a round turn in middle of net when hauled.	<i>Alcyonium digitatum</i> <i>Asterias rubens</i> f.c.	4 steam trawlers about us.
2.30 p.m.	3.30 p.m.	1	From fourth to fifth hour flood.	Smooth	E.S.E. 2	Overcast	—	<i>Alcyonium digitatum</i> <i>Alcyonidium gelatinosum</i> , <i>Pycnogonum littorale</i> , <i>Ophiothrix fragilis</i> , <i>Anmodytes tobianus</i> .	Small mesh net round ordinary trawl. 4 steam trawlers about us.
7 p.m.	9 p.m.	2	From third to fifth hour ebb.	Smooth	S.E. 2	Overcast	—	<i>Actinoloba dianthus</i> c., <i>Alcyonium digitatum</i> f.c., <i>Alcyonidium gelatinosum</i> f.c., <i>Buccinum undatum</i> spawn c., <i>Fusus antiquus</i> f.c., <i>Anomia</i> sp., <i>Pecten opercularis</i> , <i>Eupagurus bernhardus</i> c., <i>Cancer pagurus</i> , <i>Asterias rubens</i> c., <i>Ophiothrix fragilis</i> f.c., <i>Callionymus lyra</i> .	
4.45 a.m.	8.45 a.m.	4	Nil	Smooth	N.N.E. 3	Overcast, cloudy.	—	<i>Obelia longissima</i> f.c., <i>Alcyonidium gelatinosum</i> v.c., <i>Buccinum undatum</i> spawn v.c., <i>Fusus antiquus</i> c., <i>Eupagurus bernhardus</i> c., <i>Asterias rubens</i> c., <i>Ophiothrix fragilis</i> .	
9.25 a.m.	10.25 a.m.	1	Nil	Smooth	N.N.E. 4	Overcast, cloudy, rain.	—	<i>Alcyonidium gelatinosum</i> v.abundant. <i>Trachinus vipera</i> .	Small mesh net round ordinary trawl.
Noon	4 p.m.	4	Nil	Smooth	N.	Overcast, dull, rain.	—	<i>Obelia longissima</i> f.c., <i>Alcyonidium gelatinosum</i> v.c., <i>Natica catena</i> spawn v.c., <i>Paratylus swammerdami</i> v.c., <i>Galathea intermedia</i> c., <i>Porcellana longicornis</i> c., <i>Asterias rubens</i> v.c., <i>Ophiothrix fragilis</i> c., <i>Ascidella</i> sp. f.c.	
5.50 p.m.	8.50 p.m.	3	Nil	Moderately smooth.	N.N.E. 4	Overcast, dull, rain.	—	<i>Halichondria panicea</i> v. abundant, <i>Obelia longissima</i> f.c., <i>Eupagurus bernhardus</i> c., <i>Porcellana longicornis</i> c., <i>Corystes cassivelaunus</i> , <i>Asterias rubens</i> c., <i>Astropecten irregularis</i> c., <i>Ophiothrix fragilis</i> c.	
6 a.m.	9 a.m.	3	Nil	Smooth	W. by S. 4	Cloudy, overcast.	—	<i>Alcyonium digitatum</i> f.c., <i>Flustra securifrons</i> f.c., <i>Aphrodite aculeata</i> c., <i>Pomatoceros triquetus</i> f.c., <i>Pecten opercularis</i> f.c., <i>Tritonia plebeia</i> , <i>Eupagurus bernhardus</i> f.c., <i>Ophiothrix fragilis</i> v.c., <i>Asterias rubens</i> c., <i>Astropecten irregularis</i> f.c., <i>Echinocardium cordatum</i> f.c., <i>Ascidella virginea</i> c., <i>Ciona intestinalis</i> f.c.	
5.25 p.m.	7.25 p.m.	2	First to third hour flood.	Smooth	S.W. 4	Cloudy, overcast.	—	<i>Alcyonium digitatum</i> , <i>Corystes cassivelaunus</i> c., <i>Astropecten irregularis</i> c., <i>Asterias rubens</i> , <i>Cyclopterus lumpus</i> .	
2.30 a.m.	4.30 a.m.	2	From third to fifth hour ebb.	Smooth	S.W. 2	Overcast, dull, rain.	—	Very little taken.	
5 a.m.	7 a.m.	2	First 2 hours flood.	Moderately smooth.	W. by S. 6	Overcast, dull, rain.	—	<i>Asterias rubens</i> f.c., <i>Astropecten irregularis</i> . .	Several sailing trawlers, and 3 steam trawlers about us.
4.10 a.m.	5.40 a.m.	1½	From fifth hour flood to ½ hour ebb.	Smooth	E.N.E. 4	Cloudy, overcast.	—	<i>Hydrallmania falcata</i> c., <i>Sertularia abietina</i> c., <i>Flustra foliacea</i> c., <i>Buccinum undatum</i> spawn f.c., <i>Cancer pagurus</i> , <i>Eupagurus bernhardus</i> , <i>Homarus vulgaris</i> , <i>Hyas araneus</i> , <i>Asterias rubens</i> f.c., <i>Solaster papposus</i> .	W. Wallace, J. O. Borley.
8.50 a.m.	11.50 a.m.	3	From third hour ebb to slack water.	Smooth	E.N.E. 3	Fine, cloudy, hazy.	—	<i>Hydrallmania falcata</i> f.c., <i>Sertularia abietina</i> f.c., <i>Flustra foliacea</i> v. abundant, <i>Buccinum undatum</i> spawn v.c., <i>Ostrea edulis</i> , <i>Cancer pagurus</i> , <i>Eupagurus bernhardus</i> , <i>Hyas araneus</i> , <i>Solaster papposus</i> .	

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot-ing.	Tow-ing.	Haul-ing.	Shoot-ing.	Tow-ing.	Haul-ing.
LVII	29	June	16	B 326	North of Blakeney Overfalls.	53° 6½' N., 0° 57' E.	S.S.E. 2½ miles	53° 4½' N., 0° 59½' E.	11	..	12	s. & sh.	..	s. & sh.
LVIII	1	"	19	B 327	Off Lowestoft ..	52° 20½' N., 1° 59' E.	N.E. ¾ E. 3¼ miles	52° 23½' N., 2° 2¾' E.	17	..	19	s.grv. st.	..	s.grv. st.
"	3	"	20	E 328	Between Knoll Deep and Middle Ground.	52° 25½' N., 2° 30½' E.	E. ¼ S. 10 miles	52° 27½' N., 2° 46½' E.	24½	..	26	f.spk.s.	..	f.spk.s.
"	4	"	"	B 329	North of Middle Ground.	52° 27¾' N., 2° 46½' E.	S.E. by E. ¾ E. 5¾ miles	52° 27' N., 2° 56' E.	26	..	23½	f.spk.s.	..	f.g.s.
"	6	"	"	B 330	" "	52° 27' N., 2° 56' E.	E. by N. ½ N. 9¼ miles	52° 32' N., 3° 9' E.	23½	..	20	f.g.s.	..	f.g.s. & sh.
"	8	"	"	B 331	Between Winterton Shoal and Brown Ridges.	52° 33½' N., 3° 9½' E.	N.E. 7 miles	52° 39' N., 3° 15' E.	20	..	19	f.g.s. & sh.	..	f.g.s. & sh.
"	10	"	21	B 332	North part of Brown Ridges.	52° 42½' N., 3° 17½' E.	N.E. ¾ E. 7½ miles	52° 48' N., 3° 24½' E.	16½	15, 21 19	16	f.d.s.	..	f.g.s.
"	12	"	"	B 333	" "	52° 50½' N., 3° 27½' E.	S.W. ¾ S. 7½ miles	52° 48¾' N., 3° 22½' E.	16	15, 18	20	f.g.s.	..	f.g.s. & sh.
"	14	"	21	B 334	Brown Ridges ..	52° 43½' N., 3° 22½' E.	S. by W. 7¾ miles	52° 35½' N., 3° 22¾' E.	20	17	18	f.g.s. & sh.	..	f.g.s. & sh.
"	16	"	"	B 335	" "	52° 36' N., 3° 23' E.	S.E. ¼ S. 4¾ miles N. by E. ¾ miles. S.S.E. 1¾ miles. N.E. by N. ¾ N. 2¾ miles.	52° 33' N., 3° 31½' E.	18	15-14½	16	f.g.s. & sh.	..	f.g.s.
"	18	"	21-22	B 336	North part of Brown Ridges.	52° 38' N., 3° 31½' E.	N. ¾ E. 13 miles	52° 51' N., 3° 29½' E.	16	15-17	16	f.g.s.	..	f.g.s.
"	20	"	22	B 337	" "	52° 51½' N., 3° 30' E.	S.E. ¾ S. 5½ miles S. by W. ¼ W. 4¼ miles.	52° 43¾' N., 3° 37½' E.	16	15-14½	18½	f.g.s.	..	f.g.s.
"	22	"	"	B 338	Eastern Edge of Brown Ridge.	52° 43¾' N., 3° 37½' E.	S.E. by S. ¼ S. 2 miles N. ¼ W. 7 miles.	52° 46½' N., 3° 35¾' E.	18½	17	16	f.g.s.	..	f.g.s.
"	24	"	"	B 339	North of Brown Ridges.	52° 48½' N., 3° 35¾' E.	W.N.W. 7¼ miles N.W. ¼ N. 2¾ miles. S.W. by W. ¾ W. 2 miles.	52° 50' N., 3° 17½' E.	16	15-17	17	f.g.s.	..	f.g.s.
"	26	"	22-23	E 340	Winterton Twenties	52° 49¾' N., 3° 17½' E.	W. by N. ¼ N. 12 miles	52° 49¾' N., 2° 56¾' E.	17	19½	20	f.g.s.	..	f.g.s.
"	28	"	23	B 341	" "	52° 49½' N., 2° 56½' E.	N.W. by W. ¾ W. 15½ miles	52° 53½' N., 2° 31½' E.	20	19-22	20½	f.g.s.	..	f.g.s.
"	30	"	"	B 342	Between Winterton Twenties and Knoll Deep.	52° 53½' N., 2° 32' E.	S.W. by W. ¾ W. 7¼ miles S.E. by S. ¼ S. 4¼ miles. S.W. ¾ W. 2¾ miles.	52° 43¾' N., 2° 25½' E.	20½	..	27	f.g.s.	..	c.s. & ross
"	32	"	"	B 343	" "	52° 42½' N., 2° 25½' E.	S.E. ¾ S. 10¾ miles	52° 35¾' N., 2° 39' E.	27	..	25	c.s. & ross.	..	c.s. & ross.
LIX	1	"	27	O 318	Dogger Bank, North of South West Patch.	54° 32½' N., 2° 17' E.	N. by E. ¾ E. 12½ miles	54° 44' N., 2° 19' E.	9	11-15	12	f.g.br.s.	..	fs. & sh.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun. Rain, &c.			
4.30 p.m.	5.30 p.m.	1	1½ hours flood.	Moderately smooth.	E.N.E. 4	Overcast, hazy.	—	<i>Acyonium digitatum</i> f.c. <i>Sabellaria spinulosa</i> . Buccinum undatum spawn v.c. <i>Cancer pagurus</i> , <i>Eupagurus bernhardus</i> . <i>Echinus miliaris</i> f.c.	
1.10 p.m.	2.45 p.m.	1½	Last flood to 1 hour ebb.	Moderately smooth.	S.S.W. 5	Fine, cloudy, hazy.	Trawl "all to pieces."	<i>Hydrallmania falcata</i> f.c. <i>Acyonidium gelatinosum</i> f.c. <i>Eupagurus bernhardus</i> f.c.	R. A. Todd, J. Potter. Surrounded by drifters.
5.40 a.m.	9 a.m.	3½	3 hours ebb; ½ hour flood.	Moderately smooth.	S.W. 5	Fine, very hazy.	—	<i>Hydractinia echinata</i> c. <i>Eupagurus bernhardus</i> c. <i>Asterias rubens</i> f.c.	
9.30 a.m.	Noon	2½	From first to fourth hour flood.	Moderately smooth.	S.W. 5	Fine, very hazy.	Noon, came fast, hauled, found net all right.	Very little taken.	
12.50 p.m.	4.20 p.m.	3½	3½ hours ebb.	Moderately smooth.	S.W. 5	Dull, overcast, rain.	Fore wing and belly badly torn.	Not recorded.	
6 p.m.	9 p.m.	3	Last 2 hours ebb; and first hour flood.	Moderately rough.	S.W. by S. 5	Overcast, dull, rainy.	—	<i>Eupagurus bernhardus</i> f.c. <i>Astropecten irregularis</i> f.c., <i>Asterias rubens</i> .	
3.15 a.m.	6.15 a.m.	3	First 3 hours ebb.	Moderately rough.	S.W. 5	Cloudy	—	<i>Hydractinia echinata</i> <i>Corystes cassivelaunus</i> , <i>Eupagurus bernhardus</i> . <i>Astropecten irregularis</i> . <i>Callionymus lyra</i> .	3 sailing trawlers about us
6.45 a.m.	11.15 a.m.	4½	Fourth hour ebb; 3 hours flood.	Moderately rough.	S.W. 6	Cloudy	—	<i>Hydractinia echinata</i> f.c. <i>Natica catena</i> spawn f.c. <i>Eupagurus bernhardus</i> f.c., <i>Corystes cassivelaunus</i> . Astropecten irregularis abundant, <i>Asterias rubens</i> c., <i>Ophiura ciliaris</i> . <i>Arnoglossus</i> sp., <i>Callionymus lyra</i> .	2 sailing trawlers about us.
11.50 a.m.	4.45 p.m.	4½	Last 2 hours flood; first 3 hours ebb.	Moderately rough.	S.W. 5	Cloudy	—	<i>Astropecten irregularis</i> c., <i>Asterias rubens</i> f.c.	
5.10 p.m.	10.15 p.m.	5½	3 hours ebb; 2 hours flood.	Moderately rough.	S.W. 5	Cloudy	—	<i>Eupagurus bernhardus</i> c. Astropecten irregularis abundant, <i>Asterias rubens</i> c., <i>Ophiura ciliaris</i> .	3 sailing trawlers about us.
(21st) 10.50 p.m.	(22nd) 4 a.m.	5½	Last 3 hours flood; first 2 hours ebb.	Moderately smooth.	N.W. 3	Cloudy, fine.	—	<i>Eupagurus bernhardus</i> f.c., <i>Portunus holsatus</i> f.c. Asterias rubens v.c. Astropecten irregularis v.c., <i>Ophiura ciliaris</i> .	
4.50 a.m.	10 a.m.	5½	Last 3 hours ebb; first 2 hours flood.	Smooth	N.W. 4	Fine, cloudy, hazy.	—	<i>Hydractinia echinata</i> c. <i>Eupagurus bernhardus</i> c. <i>Asterias rubens</i> c., <i>Astropecten irregularis</i> c.	
10.30 a.m.	3.30 p.m.	5	From second hour flood to 1 hours ebb.	Moderately smooth.	N. 4	Fine, cloudy, hazy.	—	<i>Eupagurus bernhardus</i> f.c. Asterias rubens v.c., Astropecten irregularis v.c.	
4 p.m.	9 p.m.	5	From first to sixth hour ebb.	Moderately smooth.	N. 3	Fine, cloudy.	—	<i>Eupagurus bernhardus</i> c., <i>Portunus holsatus</i> f.c. <i>Corystes cassivelaunus</i> . <i>Asterias rubens</i> c., <i>Astropecten irregularis</i> c. <i>Ophiura ciliaris</i> f.c. <i>Callionymus lyra</i> .	
(22nd) 9.30 p.m.	(23rd) 2.30 a.m.	5	From ½ hour to 5½ hours flood.	Moderately smooth.	N. 3	Fine, cloudy.	—	<i>Hydractinia echinata</i> f.c. <i>Corystes cassivelaunus</i> f.c., <i>Eupagurus bernhardus</i> f.c. <i>Asterias rubens</i> f.c., <i>Astropecten irregularis</i> f.c., <i>Callionymus lyra</i> , <i>Trachinus vipera</i> .	
3 a.m.	9 a.m.	6	From 5½ hours flood to 5½ hours ebb.	Moderately smooth.	N. 4	Fine, cloudy.	—	<i>Hydractinia echinata</i> c. <i>Montacuta substriata</i> f.c. <i>Eupagurus bernhardus</i> c., <i>Cancer pagurus</i> . <i>Spatangus purpureus</i> c., <i>Asterias rubens</i> c., <i>Astropecten irregularis</i> .	Several sailing trawlers about us.
9.30 a.m.	2.30 p.m.	5	First 5 hours flood.	Moderately smooth.	N.E. 5	Cloudy, tempest.	—	<i>Hydractinia echinata</i> f.c. <i>Sabellaria spinulosa</i> f.c. <i>Eupagurus bernhardus</i> f.c.	Several sailing trawlers about.
3 p.m.	8 p.m.	5	Last hour flood; 4 hours ebb.	Moderately smooth.	N.N.E. 4	Cloudy, tempest.	—	<i>Sabellaria spinulosa</i> f.c. <i>Montacuta substriata</i> f.c. <i>Eupagurus bernhardus</i> f.c. <i>Asterias rubens</i> , <i>Astropecten irregularis</i> , <i>Spatangus purpureus</i> .	Several sailing trawlers and drifters about us.
8.15 a.m.	1.15 p.m.	5	Nil	Moderately rough.	N.W. by N. 4-7.	Dull, thick rain.	—	<i>Acyonidium gelatinosum</i> f.c. Pecten opercularis v.c., Buccinum undatum , <i>Fusus antiquus</i> . Asterias rubens v.c.	W. Wallace, G. T. Atkinson.

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot- ing.	Towing.	Haul- ing.	Shoot- ing.	Towing.	Haul- ing.
LIX	4	June	27	O 319	Dogger Bank, North of South West Patch.	54° 44' N., 2° 18' E.	N.E. ¼ E. 12½ miles.	54° 55' N., 2° 31' E.	12	12½	13	f.s. & sh.	..	f.s. & sh.
"	6	"	27-28	O 320	Dogger Bank, Middle	54° 54' N., 2° 30' E.	N. by E. ¾ E. 13½ miles	55° 7' N., 2° 33' E.	13	15	16½	f.s. & sh.	..	f.s. & sh.
"	8	"	28	O 321	" " "	55° 7' N., 2° 33' E.	N.W. by W. 5 miles N.E. ¼ E. 5 miles. N.N.W. ¼ W. 2 miles. S.E. 1 mile.	55° 12' N., 2° 32' E.	16½	17	17½	f.s. & sh.	..	f.g.s.
"	10	"	28-29	O 322	Dogger Bank, Middle	55° 8' N., 2° 33' E.	S. by W. ¾ W. 9½ miles N. by E. ¾ E. 6½ miles.	55° 5' N., 2° 33' E.	17½	15	15	f.g.s.	..	f.g.s. & sh.
"	11	"	29	O 323	" " "	55° 5' N., 2° 33' E.	S. by W. ¾ W. 2½ miles N.E. by N. ¾ N. 2½ miles.	55° 5' N., 2° 35' E.	15	..	15	f.g.s. & sh.	..	f.g.s. & sh.
"	12	"	"	B(c).344	" " "	55° 5' N., 2° 35' E.	S. 2½ miles	55° 3' N., 2° 35' E.	15	..	14	f.g.s. & sh.	..	f.g.s. & sh.
"	14	"	"	O 324	Dogger Bank, N.W. Slope.	55° 16' N., 2° 31' E.	N. by E. 2 miles S.S.W. 3 miles.	55° 15' N., 2° 29' E.	19½	..	20	f.g.s. & sh.	..	f.g.s. & sh.
"	17	"	30	O 325	North of the Dogger Bank.	55° 50' N., 2° 46' E.	N.E. by N. 5 miles	55° 55' N., 2° 49' E.	44	..	44	s. & m.	..	s. & m.
"	21	"	"	O 326	" " "	56° 21' N., 3° 11' E.	N.E. ¼ N. 4½ miles	56° 25' N., 3° 15' E.	40	..	38½	f.s. & m.	..	f.s. & m.
"	24	July	1	O 327	North-West of Dogger Bank.	56° 12' N., 1° 39' E.	S.W. 5 miles	56° 8' N., 1° 34' E.	53	..	48	f.s. & m.	..	f.s. & m.
"	28	"	"	O 328	North-West of Brucey's Garden.	55° 9' N., 0° 44' E.	S.W. by W. 5 miles	55° 5' N., 0° 38' E.	39	..	44	f.g.s. & sh.	..	f.s. & m.
"	29	"	7	B 345	Bridlington Bay	54° 1' N., 0° 9' W.	E. by N. ¾ N. 1½ miles W.S.W. 2½ miles. N.N.E. 1½ miles.	54° 1' N., 0° 10' W.	4½	3½	5	f.d.s.	..	f.d.s.
"	30	"	"	O 329	Flamborough Head Ground.	54° 14' N., 0° 24' E.	E.N.E. 11½ miles	54° 21' N., 0° 40' E.	29½	..	36	f.s.	—	f.d.s.
"	32	"	8	O 330	The Hills	54° 20' N., 0° 39' E.	E. by S. ¾ S. 10½ miles	54° 19' N., 0° 57' E.	31½	27	22	f.d.s.	..	f.g.s.
"	35	"	9	O 331	Dogger North Ground.	54° 30' N., 1° 15' E.	N.N.E. 2½ miles W. ¼ S. 5 miles. N. by E. 5 miles.	54° 36' N., 1° 7' E.	27	16, 21	27	f.d.g.s.	..	f.d.g.s.
"	38	"	"	O 332	North part of Dogger North Ground.	54° 45' N., 1° 8' E.	N.N.E. 5 miles	54° 50' N., 1° 9' E.	27	..	25½	f.d.g.s.	..	f.d.g.s.
"	39	"	10	O 333	Brucey's Garden	54° 56' N., 1° 6' E.	E. by S. 1½ miles N.N.W. 1½ miles. N.W. ¼ W. 2½ miles.	54° 58' N., 1° 2' E.	30	..	32	f.d.g.s.	..	f.s.m.
"	40	"	10	O 334	East of Brucey's Garden.	54° 58' N., 1° 2' E.	E. by S. 2½ miles N.N.W. 2½ miles.	55° 1' N., 1° 4' E.	32	..	32	f.s.m.	..	f.s.m.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
3.25 p.m.	8.25 p.m.	5	Nil	Moderately smooth.	N.W. 4	Dull, foggy, rain.	—	<i>Aleyonidium gelatinosum</i> f.c. <i>Fusus antiquus</i> and spawn. <i>Eupagurus bernhardus</i> c., <i>Portunus holsatus</i> f.c. <i>Asterias rubens</i> f.c.	
9.30 p.m.	3 a.m.	5½	Nil	Smooth	N.W. by N. 3.	Dull, thick, foggy.	—	<i>Aleyonidium gelatinosum</i> c. <i>Pecten opercularis</i> f.c. <i>Buccinum undatum</i> and spawn c., <i>Fusus antiquus</i> and spawn c. <i>Eupagurus bernhardus</i> c.	
3.50 a.m.	8.50 a.m.	5	Nil	Smooth	N.W. by N. 3.	Dull, overcast.	—	<i>Aleyonidium gelatinosum</i> v. abundant. <i>Sabella pavonina</i> . <i>Pecten opercularis</i> v.c. <i>Buccinum undatum</i> spawn c., <i>Fusus antiquus</i> and spawn c. <i>Asterias rubens</i> f.c.	
(28th) 8.15 p.m.	9th . . . m.	6½	Nil	Smooth	Calm	Dull, thick, foggy.	—	Not recorded.	
3 a.m.	5 a.m.	2	Nil	Smooth.	Calm	Dull, thick fog.	—	Not recorded.	
5.45 a.m.	6.45 a.m.	1	Nil	Smooth	Calm	Dull, thick, foggy.	—	<i>Trachinus vipera</i> . Invertebrates not recorded	With small mesh net.
12.10 p.m.	2.10 p.m.	2	Nil	Smooth	Variable 1-2.	Dull, thick, hazy.	—	<i>Aleyonidium gelatinosum</i> v. abundant. <i>Pecten opercularis</i> c., <i>Fusus antiquus</i> f.c., <i>F. gracilis</i> f.c.	
2.30 a.m.	4.30 a.m.	2	Nil	Smooth	N.E. 3.	Dull, thick, hazy, rain.	—	<i>Actinoloba dianthus</i> . <i>Buccinum undatum</i> , <i>Fusus antiquus</i> . <i>Lithodes maja</i> c. <i>Spatangus purpureus</i> , abundant, <i>Echinocardium</i> s.p.	
2.30 p.m.	4.30 p.m.	2	Nil	Smooth	N.E. 3.	Cloudy, overcast.	—	<i>Hydrallmania falcata</i> f.c. <i>Flustra securifrons</i> v.c. <i>Thelepus cincinnatus</i> c., <i>Filograna implexa</i> . <i>Buccinum undatum</i> <i>Eupagurus bernhardus</i> f.c., <i>Hyas coarctatus</i> . <i>Spatangus purpureus</i> c., <i>Asterias rubens</i> f.c.	
3.39 a.m.	5.30 a.m.	2	Nil	Moderately smooth.	E.N.E. 4.	Cloudy, overcast.	—	<i>Flustra securifrons</i> c. <i>Pecten opercularis</i> c., <i>Buccinum undatum</i> , <i>Fusus antiquus</i> . <i>Spatangus purpureus</i> v.c., <i>Asterias rubens</i> f.c.	
2.30 p.m.	4.30 p.m.	2	Nil	Moderately rough.	E.N.E. 6.	Dull, overcast.	—	<i>Actinoloba dianthus</i> , <i>Thuiaria thuiaria</i> <i>Pomatoceros triqueter</i> c. <i>Pecten opercularis</i> c., <i>Buccinum undatum</i> , <i>Fusus antiquus</i> , <i>Modiola modiolus</i> . <i>Lithodes maja</i> c. <i>Spatangus purpureus</i> v.c., <i>Asterias rubens</i> f.c.	
1 p.m.	3 p.m.	2	From fourth to sixth hour ebb.	Smooth	N.E. 4.	Fine, cloudy, hazy.	—	Very little taken.	
3.45 a.m.	8.45 a.m.	5	Fifth hour ebb to fourth flood.	Smooth	N.W. 2.	Fine, hazy.	—	<i>Aleyonium digitatum</i> c., <i>Tubularia indivisa</i> . . <i>Aleyonidium gelatinosum</i> abundant. <i>Sabella pavonina</i> c. <i>Pecten opercularis</i> . <i>Hyas coarctatus</i> . <i>Astropecten irregularis</i> c., <i>Asterias rubens</i> f.c.	1 steam trawler with us
11.30 a.m.	4.30 p.m.	5	From first to sixth hour ebb.	Smooth	E.S.E. 2.	Fine, hazy.	Belly badly	<i>Aleyonium digitatum</i> f.c., <i>Actinoloba dianthus</i> <i>Aleyonidium gelatinosum</i> v.c.	1 steam trawler with us.
2.45 a.m.	7.45 a.m.	5	Nil	Smooth	S.E. 1.	Fine, hazy.	—	<i>Aleyonium digitatum</i> v.c., <i>Actinoloba dianthus</i> c. <i>Aphrodite aculeata</i> . <i>Pecten opercularis</i> v.c. <i>Eupagurus bernhardus</i> c. <i>Callinectes</i> <i>lyra</i> .	2 steam trawlers about us.
11.30 a.m.	1.30 p.m.	2	Nil	Smooth	S.E. by E. 3.	Fine, hazy.	—	<i>Halichondria panicea</i> c. <i>Aleyonium digitatum</i> v.c., <i>Actinoloba dianthus</i> c. <i>Pomatoceros triqueter</i> c. <i>Sabella pavonina</i> f.c., <i>Aphrodite aculeata</i> . <i>Pecten opercularis</i> f.c. <i>Echinocardium cordatum</i> f.c., <i>Ophiothrix fragilis</i> f.c.	8 steam trawlers about us.
10 a.m.	Noon	2	Nil	Smooth	S. 3.	Fine, hazy.	—	Not recorded.	Gear fouled when shooting, hauled and shot again. 3 steam trawlers with us.
1 p.m.	3 p.m.	2	From first to third hours ebb.	Smooth	S. 1	Fine, cloudy, hazy.	—	<i>Halichondria panicea</i> f.c. <i>Actinoloba dianthus</i> c., <i>Aleyonium digitatum</i> c. <i>Sabella pavonina</i> . <i>Buccinum undatum</i> c., <i>Fusus antiquus</i> c. <i>Eupagurus bernhardus</i> f.c. <i>Astropecten irregularis</i> , <i>Echinocardium cordatum</i> , <i>Ophiura albida</i> . <i>Ophiothrix fragilis</i> .	4 steam trawlers about us.

TRAWLING INVESTIGATIONS, 1904-5.

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot-ing.	Towing.	Haul-ing.	Shoot-ing.	Towing.	Haul-ing.
LIX	43	July	10	O 335	North East of Brucey's Garden.	55° 23' N., 1° 41' E.	E. 2½ miles S.W. by W. ¾ W. 5 miles. N.E. by E. ¾ E. 3¾ miles.	55° 23' N., 1° 7¾' E.	32	..	32	f.s.m.	..	f.s.m.
"	44	"	11	O 336	Dogger Bank, North of West part.	55° 23½' N., 1° 27½' E.	W. 5 miles	55° 27½' N., 1° 18¾' E.	43	..	36	f.s.m.	..	f.s.m.
"	46	"	"	O 337	Dogger Bank, North West of West part.	55° 12¾' N., 0° 30¾' E.	W.N.W. 5 miles	55° 13¾' N., 0° 22' E.	43	..	40	f.s.m.	..	f.s.m.
"	50	"	12	B(c.) 346	North East of Brucey's Garden.	55° 1' N., 1° 7½' E.	N.W. by N. ½ N. 2¼ miles	55° 2¾' N., 1° 44' E.	31	..	33	f.s.m.	..	f.s.m.
"	51	"	"	O 388	West of Brucey's Garden.	54° 58¼' N., 0° 24¾' E.	W. ¾ N. 5 miles	54° 57¾' N., 0° 16' E.	41	..	46	f.s.m.	..	f.s.m.
"	56	"	13	O 339	Hartlepool Ground..	54° 40¼' N., 0° 54' W.	N.N.W. 3¼ miles S.E. by S. 1½ miles.	54° 42' N., 0° 56' W.	24½	..	23	c.s.	..	s.m.
LX	1	"	23	O 340	South of Horn Reef	55° 23' N., 7° 59¾' E.	W. ¾ N. 2¾ miles	55° 22¾' N., 7° 56' E.	9	..	10	f.d.s. & sh.	..	f.d.s.
"	2	"	24	O 341	Horn Reef Outer ..	55° 40¼' N., 6° 39' E.	N.E. by E. 1½ miles S.S.W. 1½ miles.	55° 40¼' N., 6° 39¼' E.	20½	..	20½	f.d.s. & sh.	..	f.d.s.
"	3	"	"	O 342	South of Horn Reef	55° 22¾' N., 7° 54' E.	E. by N. ¼ N. 1½ miles	55° 23¼' N., 7° 56' E.	10½	..	9	f.d.s. & sh.	..	f.d.s. & s.h.
LXI	36	Aug.	8	B 347	Leman Ground ..	53° 20¾' N., 2° 23¾' E.	S. by E. 4¾ miles	53° 15¾' N., 2° 27¼' E.	17	..	13	f.d.s.	..	f.s.
"	37	"	9	B 348	" ..	53° 15¾' N., 2° 27¼' E.	N. ¾ W. 4¾ miles	53° 20' N., 2° 24¼' E.	13	..	17	f.s.	..	f.d.s.
"	38	"	"	B 349	" ..	53° 21¼' N., 2° 22¾' E.	S.S.E. 4½ miles	53° 18¼' N., 2° 27½' E.	16	..	17	f.g.s.	..	f.g.s.
"	39	"	"	B 350	" ..	53° 18¼' N., 2° 27½' E.	N.N.W. 4½ miles	53° 21¾' N., 2° 23½' E.	17	..	13	f.g.s.	..	f.g.s.
"	40	"	9	B 351	" ..	53° 21¾' N., 2° 26¾' E.	S.W. by W. 4½ miles	53° 18¼' N., 2° 21¾' E.	12	..	10	f.g.s.	..	f.g.s.
"	41	"	"	B 352	" ..	53° 18¼' N., 2° 21¾' E.	N.E. by E. ¾ E. 4¾ miles	53° 21' N., 2° 27¾' E.	10	..	17	f.g.s.	..	f.g.s.
"	42	"	"	B 353	" ..	53° 18¼' N., 2° 27' E.	N.N.W. 4½ miles	53° 21¾' N., 2° 22¼' E.	17½	..	14½	f.g.s.	..	f.g.s.
"	44	"	"	B 354	" ..	53° 20¼' N., 2° 24' E.	S. by E. 4½ miles	53° 16' N., 2° 27½' E.	15	..	13	f.g.s.	..	f.g.s.
"	45	"	10	B 355	Brown Bank ..	53° 7¾' N., 3° 44' E.	N.E. by N. ½ N. 5 miles	53° 12¼' N., 3° 45¼' E.	15½	..	13½	f.g.s.	..	f.g.s.
"	46	"	"	B 356	" ..	53° 12¼' N., 3° 45¼' E.	S.W. by S. ½ S. 4½ miles	53° 8¾' N., 3° 44' E.	13½	..	15½	f.g.s.	..	f.g.s.
"	47	"	"	B 357	" ..	53° 7¾' N., 3° 45' E.	N.E. by N. ¾ N. 4½ miles	53° 11¾' N., 3° 47¾' E.	15½	..	15	f.g.s.	..	f.g.s.
"	48	"	"	B 358	" ..	53° 9½' N., 3° 48' E.	N.W. ¾ W. 4 miles	53° 11' N., 3° 41¾' E.	15	..	15	f.g.s.	..	f.g.s.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
6.15 p.m.	11 p.m.	4½	Nil	Smooth	Variable, 2.	Fine, cloudy, hazy.	—	<i>Argentina</i> sp. Invertebrates not recorded.	4 steam trawlers with us.
7.45 a.m.	9.45 a.m.	2	Nil	Smooth	E. 1	Overcast, dull.	—	<i>Modiola modiolus</i> . <i>Spatangus purpureus</i> v.c., <i>Ophiura ciliaris</i> f.c.	
3.30 p.m.	5.30 p.m.	2	Nil	Smooth	Calm	Dull, thick fog.	Ground rope parted, belly very badly torn.	<i>Spatangus purpureus</i> c., <i>Echinocardium cordatum</i> , f.c.	
5.45 a.m.	6.45 a.m.	1	Nil	Smooth	W.S.W. 3.	Dull, rainy.	—	<i>Actinoloba dianthus</i> c., <i>Alyonium digitatum</i> L.c. <i>Sabella pavonina</i> . <i>Buccinum undatum</i> , <i>Fusus antiquus</i> , <i>Modiola modiolus</i> , <i>Pecten opercularis</i> , <i>Tritonia hombergi</i> . <i>Eupagurus bernhardus</i> c. <i>Astropecten irregularis</i> f.c., <i>Ophiothrix fragilis</i> f.c.	Small mesh net round ordinary trawl. 2 steam trawlers with us.
11.15 a.m.	1.15 p.m.	2	Nil	Smooth	Variable. 1.	Dull, overcast.	—	<i>Actinoloba dianthus</i> c. <i>Pecten opercularis</i> v.c., <i>Modiola modiolus</i> f.c. <i>Spatangus purpureus</i> v.c., <i>Asterias rubens</i> c., <i>Astropecten irregularis</i> c., <i>Echinocardium cordatum</i> c.	
4.30 a.m.	6.30 a.m.	2	Second to fourth hour ebb.	Smooth	N.W. 3	Dull, thick, foggy.	Large stone in trawl. Ground rope parted, not very badly torn.	<i>Alyonium digitatum</i> v.c., <i>Sertularia abietina</i> L.c. <i>Flustra foliacea</i> f.c. <i>Saxicava rugosa</i> v.c., <i>Pecten pusio</i> c. <i>Echinus s.p.</i> , v.c., <i>Ophiothrix fragilis</i> .	
8.40 p.m.	9.40 p.m.	1	Fourth to fifth hour ebb.	Smooth	Calm	Dull, overcast, thick, hazy.	—	<i>Buccinum undatum</i> spawn <i>Asterias rubens</i> c.	W. Wallace, R. A. Todd.
8 a.m.	9 a.m.	1	Fourth to fifth hour ebb.	Moderately rough.	N. 6	Dull, cloudy.	—	<i>Echinocardium cordatum</i> c., <i>Ophiothrix fragilis</i> .	
4.30 p.m.	5 p.m.	½	Last hour flood.	Rough	W. 6	Dull, cloudy.	—	Not recorded.	
10 p.m.	Midnight	2	Last ½ hour ebb; first 1½ hours flood.	Smooth	S.E. 2	Fine, hazy.	—	<i>Corystes cassivelaunus</i> , <i>Portunus holsatus</i> <i>Astropecten irregularis</i> , <i>Ophiura ciliaris</i> , <i>Callinectes lyra</i> .	J. O. Borley, G. T. Atkinson. Towing 48 revolutions.
12.30 a.m.	2.30 a.m.	2	Second to fourth hour flood.	Smooth	S.E. by E. 3.	Fine, hazy.	—	<i>Callinectes lyra</i> , <i>Solea lutea</i> . Very little else taken.	Towing 52 revolutions.
5 a.m.	7 a.m.	2	First and second hours ebb.	Smooth	S.E. by S. 5.	Dull, overcast.	—	<i>Callinectes lyra</i> , <i>Solea lutea</i> . Very little else taken.	Towing 58 revolutions.
7.20 a.m.	9.20 a.m.	2	From 2½ to 4½ hours ebb.	Moderately smooth.	S.S.W. 5.	Dull, overcast.	—	<i>Arnoglossus</i> sp.	Towing 42 revolutions.
10 a.m.	Noon	2	Last 2 hours ebb.	Moderately smooth.	S.S.E. 6	Dull, overcast.	—	<i>Callinectes lyra</i> . Very little else taken	Towing 54 revolutions.
12.20 p.m.	2.20 p.m.	2	First 2 hours flood.	Moderately smooth.	S.S.W. 6	Dull, overcast.	—	" " " "	Towing 46 revolutions.
3.15 p.m.	5.15 p.m.	2	Last 2 hours flood.	Moderately smooth.	S.S.W. 5	Dull, overcast.	—	<i>Arnoglossus</i> sp.	Towing 54 revolutions.
6.10 p.m.	8.10 p.m.	2	Second and third hours ebb.	Moderately smooth.	S.S.W. 5	Dull, overcast, rain.	—	<i>Callinectes lyra</i>	Towing 58 revolutions.
7.50 a.m.	9.50 a.m.	2	Second and third hours flood.	Moderately smooth.	W. by S 5.	Cloudy, fine.	—	" " " "	Towing 52 revolutions.
10.15 a.m.	12.15 p.m.	2	Fourth and fifth hours ebb.	Moderately smooth.	W. by S. 5.	Cloudy, fine.	Cod end insecurely fastened, some fish escaped.	<i>Chrysaora</i> sp., f.c. <i>Astropecten irregularis</i> .	Towing 62 to 64 revolutions.
1.30 p.m.	3.30 p.m.	2	First and third hours flood.	Moderately rough.	S.W. by W. 6.	Cloudy, fine.	—	Not recorded	Towing 58 revolutions.
4.15 p.m.	6.15 p.m.	2	3½ to fifth hours flood.	Moderately rough.	S.W. by W. 6.	Cloudy, tempest.	—	<i>Aequorea</i> sp., <i>Chrysaora</i> sp., f.c. <i>Alyonidium gelatinosum</i> , young, v.c. <i>Sabellaria spinulosa</i> c. <i>Echinus militaris</i> c.	Towing 54 revolutions.

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot-ing.	Towing.	Haul-ing.	Shoot-ing.	Towing.	Haul-ing.
LXI	49	Aug.	12	B 359	Off Southwold ..	52° 16 $\frac{1}{2}$ ' N., 1° 46 $\frac{1}{2}$ ' E.	N.E. $\frac{1}{2}$ N. 4 $\frac{1}{2}$ miles	52° 20 $\frac{1}{2}$ ' N., 1° 49 $\frac{1}{2}$ ' E.	13	..	15	c.s.	..	c.s.
"	50	"	"	B 360	" " ..	52° 21 $\frac{1}{2}$ ' N., 1° 50' E.	S.W. $\frac{1}{2}$ S. 3 miles	52° 18 $\frac{1}{2}$ ' N., 1° 48' E.	12	..	12	c.s.	..	c.s. gvl.
"	51	"	"	B 361	" " ..	52° 21 $\frac{1}{2}$ ' N., 1° 48 $\frac{1}{2}$ ' E.	S.W. by S. $\frac{1}{2}$ S. 4 $\frac{1}{2}$ miles	52° 17 $\frac{1}{2}$ ' N., 1° 46 $\frac{1}{2}$ ' E.	11	..	12	f.s.	..	c.s. & st.
"	52	"	"	B 362	" " ..	52° 16 $\frac{1}{2}$ ' N., 1° 46 $\frac{1}{2}$ ' E.	N.E. $\frac{2}{3}$ N. 1 $\frac{1}{2}$ miles	52° 18 $\frac{1}{2}$ ' N., 1° 47 $\frac{1}{2}$ ' E.	12	..	12	c.s. & st.	..	c.s. & st.
"	54	"	"	B 363	North part of Winterton Shoal.	52° 48' N., 2° 56 $\frac{1}{2}$ ' E.	N. by E. $\frac{2}{3}$ E. 4 $\frac{1}{2}$ miles	52° 52 $\frac{1}{2}$ ' N., 2° 57 $\frac{1}{2}$ ' E.	17	..	22	f.s.	..	f.s.
"	55	"	"	B 364	" " ..	52° 53 $\frac{1}{2}$ ' N., 2° 57 $\frac{1}{2}$ ' E.	S. by W. $\frac{1}{2}$ W. 3 $\frac{1}{2}$ miles	52° 50' N., 2° 57 $\frac{1}{2}$ ' E.	22	..	22	f.s.	..	f.s.
"	56	"	13	B 365	North part of Winterton Shoal.	52° 52' N., 2° 57 $\frac{1}{2}$ ' E.	S. by W. $\frac{2}{3}$ W. 3 miles	52° 49' N., 2° 57 $\frac{1}{2}$ ' E.	22	..	22	f.s.	..	f.s.
"	57	"	"	B 366	" " ..	52° 49' N., 2° 57 $\frac{1}{2}$ ' E.	N.W. by N. 1 mile	52° 49 $\frac{1}{2}$ ' N., 2° 56 $\frac{1}{2}$ ' E.	22	..	17	f.s.	..	f.s.
"	59	"	14	B 367	Off Smith's Knoll Light-vessel.	52° 52 $\frac{1}{2}$ ' N., 2° 17' E.	S. $\frac{1}{2}$ W. 4 $\frac{1}{2}$ miles	52° 48' N., 2° 18' E.	23	..	26	f.d.s.	..	s.blk.m.
"	60	"	"	B 368	" " ..	52° 47 $\frac{1}{2}$ ' N., 2° 17' E.	N. by W. 4 miles	52° 51 $\frac{1}{2}$ ' N., 2° 15 $\frac{1}{2}$ ' E.	26	..	26	f.s.m.	..	blk. spk.s.
"	61	"	"	B 369	" " ..	52° 48' N., 2° 16 $\frac{1}{2}$ ' E.	N.N.W. 3 $\frac{1}{2}$ miles	52° 51' N., 2° 13 $\frac{1}{2}$ ' E.	26	..	21	s.m.	..	f.s.
"	62	"	"	B 370	" " ..	52° 50 $\frac{1}{2}$ ' N., 2° 14 $\frac{1}{2}$ ' E.	N.E. by E $\frac{1}{2}$ E. 3 $\frac{1}{2}$ miles	52° 52 $\frac{1}{2}$ ' N., 2° 17 $\frac{1}{2}$ ' E.	25	..	23	f.s.	..	e.s.
LXII	19	"	24	B 371	Off Sutton ..	53° 20 $\frac{1}{2}$ ' N., 0° 18 $\frac{1}{2}$ ' E.	S. by E. $\frac{1}{2}$ E. 1 $\frac{1}{2}$ miles	53° 18 $\frac{1}{2}$ ' N., 0° 19 $\frac{1}{2}$ ' E.	6	6 $\frac{1}{2}$	7	f.d.s.	f.d.s.	gvl.
"	20	"	"	B 372	Off Mablethorpe ..	53° 20 $\frac{1}{2}$ ' N., 0° 21 $\frac{1}{2}$ ' E.	S.E. $\frac{1}{2}$ S. 1 $\frac{1}{2}$ miles N. by W. $\frac{1}{2}$ W. 2 $\frac{1}{2}$ miles.	53° 21 $\frac{1}{2}$ ' N., 0° 21 $\frac{1}{2}$ ' E.	8 $\frac{1}{2}$	9-7	7	gvl.	s.	s.gvl.
"	33	"	29	B 373	Off Horn Reef Light-Vessel.	55° 33' N., 1° 21 $\frac{1}{2}$ ' E.	S.W. 5 miles.	55° 20 $\frac{1}{2}$ ' N., 1° 16 $\frac{1}{2}$ ' E.	17	..	15	f.g.s. & sh.	..	f.g.s.
LXII	1	Sept.	5	O 343	Leman Ground ..	53° 20 $\frac{1}{2}$ ' N., 2° 26 $\frac{1}{2}$ ' E.	S.E. by E. $\frac{1}{2}$ E. 8 $\frac{1}{2}$ miles	53° 18' N., 2° 38 $\frac{1}{2}$ ' E.	17	..	15 $\frac{1}{2}$	f.g.s.	..	f.y.s.
"	3	"	"	O 344	" " ..	53° 19 $\frac{1}{2}$ ' N., 2° 38 $\frac{1}{2}$ ' E.	W. by N. $\frac{1}{2}$ N. 8 miles	53° 19 $\frac{1}{2}$ ' N., 2° 25' E.	15 $\frac{1}{2}$	..	17	f.g.s.	..	f.d.g.s.
"	4	"	"	O 345	" " ..	53° 18 $\frac{1}{2}$ ' N., 2° 40' E.	S.E. 9 $\frac{1}{2}$ miles	53° 13 $\frac{1}{2}$ ' N., 2° 54 $\frac{1}{2}$ ' E.	17	..	16	f.d.g.s.	..	f.d.g.s.
"	5	"	6	O 346	Eastern Edge of Leman Ground.	53° 13 $\frac{1}{2}$ ' N., 2° 54 $\frac{1}{2}$ ' E.	S.E. $\frac{2}{3}$ E. 8 $\frac{1}{2}$ miles	53° 10 $\frac{1}{2}$ ' N., 3° 8 $\frac{1}{2}$ ' E.	16	..	15 $\frac{1}{2}$	f.d.g.s.	..	f.d.g.s.
"	7	"	"	B(c.) 374	" " ..	53° 10 $\frac{1}{2}$ ' N., 3° 9' E.	N.W. by W. $\frac{2}{3}$ W. 3 $\frac{1}{2}$ miles	53° 11' N., 3° 3 $\frac{1}{2}$ ' E.	15 $\frac{1}{2}$	..	16	f.d.g.s.	..	f.d.g.s.
"	8	"	6	B(c.) 375	Leman Ground ..	53° 11' N., 3° 3 $\frac{1}{2}$ ' E.	N.W. $\frac{1}{2}$ W. 4 $\frac{1}{2}$ miles	53° 13' N., 2° 57' E.	16	..	16 $\frac{1}{2}$	f.d.g.s.	..	f.d.g.s.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
9.25 a.m.	11.25 a.m.	2	First 2 hours ebb.	Moderately smooth.	N.W. 6	Cloudy, tempest.	—	<i>Aequorea</i> sp., <i>Chrysaora</i> sp., f.c. <i>Alcyonidium gelatinosum</i> , young, v.c. <i>Sabellaria spinulosa</i> c. <i>Echinus miliaris</i> c.	Towing 48 revolutions.
11.45 a.m.	1.45 a.m.	2	3½ to 5½ hours ebb.	Moderately smooth.	N.W. 5	Cloudy, tempest.	—	" " " " " "	Towing 60 to 68 revolutions.
3.25 p.m.	5.25 p.m.	2	First and second hours flood.	Smooth	Variable 2.	Cloudy, fine.	—	" " " " " "	Towing 38 revolutions.
5.45 p.m.	7.45 p.m.	2	Third to fifth hours flood.	Smooth	Variable 2.	Cloudy, fine.	—	" " " " " "	Towing 54 revolutions.
10.45 a.m.	12.45 p.m.	2	Second and third hours ebb.	Smooth	Calm	Overcast, tempest.	—	Very little taken	Towing 44 revolutions.
1.15 p.m.	3.15 p.m.	2	Fourth and fifth hours ebb.	Smooth	Calm	Overcast, tempest.	—	<i>Callinectes</i> <i>lyra</i> . Very little else taken ..	Towing 54 revolutions. Several trawling smacks about us.
4.30 p.m.	6.30 p.m.	2	First and second hours flood.	Smooth	Calm	Overcast, tempest.	—	Very little taken	Towing 34 revolutions.
6.50 p.m.	8.50 p.m.	2	Third to fifth hours flood.	Smooth	Calm	Overcast, tempest.	—	" " " " " "	Towing 44 revolutions.
5.15 a.m.	7.15 a.m.	2	First 2 hours flood.	Smooth	Calm	Cloudy, fine, hazy.	—	" " " " " "	Towing 44 revolutions. Many Lowestoft sailing trawlers about us.
7.45 a.m.	9.45 a.m.	2	Third to fifth hours flood	Smooth	Calm	Fine, cloudy, hazy.	—	" " " " " "	Towing 66 revolutions. Many Lowestoft sailing trawlers about us.
11.35 a.m.	12.55 p.m.	1½	First 2 hours ebb.	Smooth	E. 2	Fine, cloudy, hazy.	—	" " " " " "	Towing 34 revolutions.
1.30 p.m.	3 p.m.	1½	Third to 4½ hours ebb.	Smooth	E. 3	Fine, cloudy.	—	" " " " " "	Towing 44 to 54 revolutions. Many Lowestoft sailing trawlers about us.
9.30 a.m.	10.30 a.m.	1	Last hours flood.	Heavy swell	W.N.W. 6	Cloudy, fine, hazy.	Belly badly torn	<i>Chrysaora</i> sp., f.c., <i>Aurelia aurita</i> <i>Cancer pagurus</i> c., <i>Crangon vulgaris</i> , <i>Pandalus montagui</i> , <i>Portunus holsatus</i> .	R. A. Todd, G. T. Atkinson.
12.15 p.m.	2.30 p.m.	2½	First to third hours ebb.	Heavy swell, Easterly.	Variable	Cloudy, fine, hazy.	—	<i>Flustra foliacea</i> f.c., <i>Gemellaria loricata</i> f.c., <i>Vesicularia spinosa</i> f.c. <i>Cancer pagurus</i> f.c.	
9.30 a.m.	11.30 a.m.	2	From 5½ hours flood to 1½ hours ebb.	Rough	N.E. 7	Rain, heavy clouds.	—	<i>Eupagurus bernhardus</i> f.c.	
3 a.m.	7 a.m.	4	First 4 hours ebb.	Moderately rough.	W. 6	Cloudy	—	<i>Portunus holsatus</i> f.c., <i>Eupagurus bernhardus</i> , <i>Asterias rubens</i> , <i>Astropecten irregularis</i> .	W. Wallace, J. O. Borley. Saw several sailing trawlers.
7.30 a.m.	11.30 a.m.	4	1½ hours ebb; 2½ hours flood.	Moderately rough.	W. by S. 5	Heavy clouds.	—	<i>Loligo forbesi</i> c., <i>Apyrodite aculeata</i> , <i>Eupagurus bernhardus</i> c., <i>Corystes cassivelaunus</i> , <i>Portunus holsatus</i> , <i>Asterias rubens</i> v.c., <i>Astropecten irregularis</i> , <i>Echinocardium cordatum</i> , <i>Echinus miliaris</i> , <i>Ophiura ciliaris</i> .	
1.30 p.m.	5.30 p.m.	4	2 hours flood; 2 hours ebb.	Rough	S.W. 7	Heavy clouds.	—	Not recorded.	
4.30 a.m.	8.30 a.m.	4	1½ hours to 5 hours ebb.	Moderately smooth.	S.W. by S. 5.	Dull, cloudy.	—	<i>Eupagurus bernhardus</i> <i>Astropecten irregularis</i> c.	A few sailing trawlers about us.
9.30 a.m.	11.30 a.m.	2	First 2 hours flood.	Moderately smooth.	S.W. by S. 5.	Dull, cloudy.	Hole in cod end	<i>Arnoglossus</i> sp., <i>Callinectes lyra</i> Very little else taken.	Small mesh net over ordinary trawl. Five sailing trawlers about us.
12.15 p.m.	2.15 p.m.	2	Second to fourth hour flood.	Moderately smooth.	S.S.E. 6.	Dull, cloudy.	Hole in cod end	<i>Trachinus vipera</i> , <i>Solea lutea</i> Very little else taken	Small mesh covering round ordinary trawl.

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot-ing.	Tow-ing.	Haul-ing.	Shoot-ing.	Tow-ing.	Haul-ing.
LXIII	9	Sept.	6	O 347	North part of Brown Bank.	53° 10 $\frac{1}{2}$ ' N., 3° 9 $\frac{1}{2}$ ' E.	S.E. 9 $\frac{1}{2}$ miles	53° 6' N., 3° 23 $\frac{1}{2}$ ' E.	16 $\frac{1}{2}$	..	15 $\frac{1}{2}$	f.d.g.s.	..	f.s.
"	11	"	13	O 348	Texel Ground ..	52° 48 $\frac{3}{4}$ ' N., 4° 35 $\frac{1}{2}$ ' E.	N.W. by N. $\frac{1}{4}$ N. 5 miles	52° 52' N., 4° 30' E.	8	..	12	f.g.s.	..	f.g.s.
"	12	"	"	B(c.) 376	" "	52° 49' N., 4° 36 $\frac{1}{2}$ ' E.	S.W. $\frac{3}{4}$ S. 4 $\frac{1}{2}$ miles	52° 44 $\frac{1}{2}$ ' N., 4° 33 $\frac{3}{4}$ ' E.	7	..	10	c.s.	..	f.g. spk.s.
"	14	"	"	B(c.) 377	" "	52° 48 $\frac{1}{2}$ ' N., 4° 35 $\frac{1}{2}$ ' E.	N.N.W. 4 $\frac{1}{2}$ miles	52° 51 $\frac{1}{2}$ ' N., 4° 31 $\frac{1}{2}$ ' E.	7	..	12	f.l.g.s.	..	f.g.s.
"	16	"	"	O 349	" "	52° 51 $\frac{1}{2}$ ' N., 4° 31 $\frac{1}{2}$ ' E.	N.W. by W. $\frac{3}{4}$ W. 8 $\frac{1}{2}$ miles	52° 53 $\frac{3}{4}$ ' N., 4° 18' E.	12	..	13	f.g.s.	..	f.g.s.
"	18	"	14	O 350	" "	52° 53 $\frac{1}{2}$ ' N., 4° 17 $\frac{1}{2}$ ' E.	N.W. $\frac{3}{4}$ W. 9 miles	52° 57' N., 4° 4 $\frac{1}{2}$ ' E.	14	..	14	f.g.s.	..	f.g.s.
"	20	"	"	O 351	East part of Brown Bank.	52° 57' N., 4° 4 $\frac{1}{2}$ ' E.	N.W. $\frac{3}{4}$ W. 14 $\frac{1}{2}$ miles	53° 2 $\frac{3}{4}$ ' N., 3° 41 $\frac{1}{2}$ ' E.	14	..	14 $\frac{1}{2}$	f.g.s.	..	f.g.s.
"	22	"	"	O 352	Brown Bank ..	52° 2 $\frac{3}{4}$ ' N., 3° 41 $\frac{1}{2}$ ' E.	N.W. $\frac{3}{4}$ W. 11 $\frac{1}{2}$ miles	53° 6 $\frac{3}{4}$ ' N., 3° 24' E.	14 $\frac{1}{2}$	..	16	f.g.s.	..	f.g.s.
LXIV	1	"	19	B 378	South part of Lowestoft Flats.	52° 21 $\frac{1}{2}$ ' N., 1° 57 $\frac{3}{4}$ ' E.	E.N.E. 2 miles, S.S.W. 2 miles,	52° 20 $\frac{3}{4}$ ' N., 2° 1' E.	14 $\frac{1}{2}$	18	20	c.s.	..	c.br.s.
"	3	"	"	B 379	" " "	52° 21' N., 1° 59' E.	W. $\frac{3}{4}$ S. 1 $\frac{1}{2}$ miles, E.S.E. 1 $\frac{1}{2}$ miles.	52° 20' N., 1° 59 $\frac{3}{4}$ ' E.	19	..	16 $\frac{1}{2}$	c.br.s.	..	c.s. & sh.
"	4	"	20	B 380	Western Deep Water	52° 3 $\frac{1}{2}$ ' N., 2° 17' E.	E. by N. 9 miles	52° 6 $\frac{1}{2}$ ' N., 2° 32 $\frac{1}{2}$ ' E.	30	27	22 $\frac{1}{2}$	c.s. & sh.	c.s. & sh.	f.g.s.
"	6	"	21	B 381	Eastern Deep Water, East North East of Outer Gabbard Light-vessel.	52° 8 $\frac{1}{2}$ ' N., 2° 35 $\frac{1}{2}$ ' E.	N.E. $\frac{3}{4}$ E. 7 $\frac{1}{2}$ miles, E. $\frac{1}{2}$ S. 1 $\frac{1}{2}$ miles.	52° 14 $\frac{1}{2}$ ' N., 2° 45 $\frac{1}{2}$ ' E.	21	..	24	c.s.	..	f.g.s.
"	8	"	"	B 382	Eastern Deep Water	52° 13' N., 2° 45 $\frac{1}{2}$ ' E.	N.E. by N. $\frac{1}{4}$ N. 9 $\frac{1}{2}$ miles	52° 22' N., 2° 48 $\frac{1}{2}$ ' E.	24	..	25	f.g.s.	..	f.g.s.
"	10	"	"	B 383	Between Middle Ground and Winterton Shoal.	52° 21' N., 2° 47 $\frac{1}{2}$ ' E.	N.E. by N. $\frac{1}{4}$ N. 13 $\frac{1}{2}$ miles	52° 35' N., 2° 53 $\frac{1}{2}$ ' E.	25	..	22	f.g.s.	..	f.g.s.
"	12	"	22	B 384	South part of Winterton Shoal.	52° 38' N., 2° 58' E.	N. by E. $\frac{1}{4}$ E. 5 miles, N.E. by N. 2 $\frac{1}{2}$ miles, S.S.W. 2 $\frac{1}{2}$ miles, S.W. 2 $\frac{1}{2}$ miles.	52° 39 $\frac{1}{2}$ ' N., 2° 57 $\frac{1}{2}$ ' E.	21	..	19	f.g.s.	..	f.g.s.
"	14	"	26	B 385	Eastern Deep Water	52° 8 $\frac{1}{2}$ ' N., 2° 30 $\frac{1}{2}$ ' E.	N.E. by E. $\frac{3}{4}$ E. 6 $\frac{1}{2}$ miles, N. by E. 5 miles.	52° 18' N., 2° 38 $\frac{1}{2}$ ' E.	22 $\frac{1}{2}$	..	23 $\frac{1}{2}$	f.g.s.	..	f.g.s.
"	16	"	"	B 386	South of Winterton Shoal.	52° 17 $\frac{1}{2}$ ' N., 2° 38' E.	E. by N. $\frac{1}{4}$ N. 6 $\frac{1}{2}$ miles, N. by E. $\frac{1}{4}$ E. 5 miles.	52° 26' N., 2° 47 $\frac{1}{2}$ ' E.	23 $\frac{1}{2}$	..	24	f.g.s.	..	f.g.s.
"	18	"	27	B 387	Between Middle Ground and Knoll Deep.	52° 26' N., 2° 47 $\frac{1}{2}$ ' E.	N. $\frac{1}{4}$ W. 12 $\frac{1}{2}$ miles	52° 38 $\frac{1}{2}$ ' N., 2° 42' E.	24	..	24	f.g.s.	..	f.g.s. blk. clay.
"	20	"	"	B 388	North East part of Knoll Deep.	52° 38' N., 2° 41 $\frac{1}{2}$ ' E.	N.N.W. 11 miles	52° 47' N., 2° 31 $\frac{1}{2}$ ' E.	24	..	22 $\frac{1}{2}$	f.g.s. blk. clay.	..	f.g.s.
"	22	"	"	B 389	Leman Ground ..	53° 16 $\frac{1}{2}$ ' N., 2° 23 $\frac{1}{2}$ ' E.	E. $\frac{3}{4}$ S. 5 miles	53° 17' N., 2° 36 $\frac{1}{2}$ ' E.	17	..	17	f.g.s.	..	f.g.s.
"	23	"	"	B 390	" "	53° 16' N., 2° 42' E.	S.E. by E. $\frac{3}{4}$ E. 13 miles	53° 13 $\frac{3}{4}$ ' N., 3° 4' E.	17	..	15	f.g.s.	..	f.g.s.
"	24	"	28	B 391	Eastern Edge of Leman Ground.	53° 13 $\frac{3}{4}$ ' N., 3° 4' E.	N. 12 miles	53° 25 $\frac{3}{4}$ ' N., 2° 58 $\frac{1}{2}$ ' E.	15	..	17	f.g.s.	..	f.g.s.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c. Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
3.50 p.m.	7.50 p.m.	4	1 hour flood ; 3 hours ebb.	Moderately rough.	S. 5	Cloudy, tempest.	—	<i>Trachinus vipera</i> f.c., <i>Solea lutea</i> . Very little else taken.	
5.15 a.m.	7.15 a.m.	2	Last 2 hours flood.	Moderately smooth.	S.W. 3	Cloudy, fine.	—	<i>Rhizostoma</i> sp., c.	
8.15 a.m.	10.15 a.m.	2	First 2 hours ebb.	Moderately smooth.	S.W. 5	Cloudy, fine.	—	<i>Rhizostoma</i> sp., c. <i>Portunus holsatus</i> c. Asterias rubens, v.c.	Small mesh covering ordinary trawl.
12.30 p.m.	2.30 p.m.	2	1 hour ebb ; 1 hour flood.	Moderately rough.	S.W. 5	Cloudy, fine.	—	<i>Rhizostoma</i> sp., c. <i>Hydractinia echinata</i> <i>Loligo forbesi</i> , small. <i>Portunus holsatus</i> c. <i>Asterias rubens</i> f.c.	Small mesh covering ordinary trawl.
3.55 p.m.	7.55 p.m.	4	2 hours flood ; 2 hours ebb.	Moderately smooth.	S.W. by W. 4.	Cloudy, fine.	—	<i>Cancer pagurus</i> , <i>Eupagurus bernhardus</i> , <i>Portunus holsatus</i> . <i>Asterias rubens</i> , <i>Astropecten irregularis</i> , <i>Ophiura ciliaris</i> .	
6.15 a.m.	10.15 a.m.	4	First 4 hours ebb.	Smooth	N. 3	Cloudy, fine.	—	<i>Loligo forbesi</i> <i>Eupagurus bernhardus</i> . <i>Asterias rubens</i> c., <i>Astropecten irregularis</i> f.c., <i>Ophiura ciliaris</i> .	Several Dutch fishing craft about us.
10.15 a.m.	3.50 p.m.	5	First 5 hours ebb.	Moderately rough.	N. 5	Cloudy, fine.	—	<i>Hydractinia echinata</i> <i>Cancer pagurus</i> , <i>Eupagurus bernhardus</i> , <i>Portunus holsatus</i> . <i>Asterias rubens</i> , <i>Ophiura ciliaris</i> .	1 steam trawler and several Dutch fishing craft about us.
4.20 p.m.	8.50 p.m.	4½	2 hours ebb ; 2½ hours flood.	Moderately smooth.	N. 3	Fine, cloudy.	—	<i>Portunus holsatus</i> f.c., <i>Eupagurus bernhardus</i> . <i>Asterias rubens</i> , <i>Astropecten irregularis</i> .	
12.45 p.m.	2.45 p.m.	2	1½ hours flood ; ½ hour ebb.	Moderately smooth.	N.E. by N. 4.	Cloudy, fine, hazy.	Belly torn	<i>Hydrallmania falcata</i> f.c., <i>Plumularia</i> sp., f.c. <i>Sabellaria spinulosa</i> c. <i>Porcellana longicornis</i> . <i>Echinus miliaris</i> .	R. A. Todd, L. R. Crawshaw, J. Potter.
3.45 p.m.	5.45 p.m.	2	Second to fourth hours ebb.	Moderately smooth.	N.E. by N. 5.	Overcast, cloudy.	—	<i>Hydrallmania falcata</i> f.c., <i>Sertularia abietina</i> . <i>Aleyonidium gelatinosum</i> c., <i>Gemellaria loricata</i> f.c., <i>Vesicularia spinosa</i> f.c. <i>Trachinus vipera</i> .	
7.20 a.m.	11.20 a.m.	4	Fifth hour ebb to third hour flood.	Moderately rough.	N. by E. 5.	Cloudy, fine.	Belly torn	<i>Hydractinia echinata</i> . <i>Loligo forbesi</i> . <i>Eupagurus bernhardus</i> c.	
8.45 a.m.	12.45 p.m.	4	First 4 hours flood.	Moderately rough.	N.E. 5	Dull, cloudy, rain.	—	<i>Eupagurus bernhardus</i> . <i>Asterias rubens</i> c., <i>Spatangus purpureus</i> .	
1.30 p.m.	5.30 p.m.	4	2 hours flood ; 2 hours ebb.	Moderately rough.	N.E. 5	Cloudy.	—	<i>Hydractinia echinata</i> c., <i>Hydrallmania falcata</i> c. <i>Cancer pagurus</i> . <i>Asterias rubens</i> f.c., <i>Astropecten irregularis</i> .	
6 p.m.	11 p.m.	5	4 hours ebb ; 1 hour flood.	Moderately rough.	E. 5	Cloudy	Ground rope parted ; net badly torn.	Not recorded	Several fishing vessels lights about us.
8 a.m.	1 p.m.	5	2 hours ebb ; 3 hours flood.	Rough	E. by S. 7.	Fine, cloudy.	—	<i>Buccinum undatum</i> , <i>Loligo forbesi</i> . <i>Eupagurus bernhardus</i> c. <i>Asterias rubens</i> f.c., <i>Astropecten irregularis</i> .	
1 p.m.	6 p.m.	5	3 hours ebb ; 2 hours flood.	Moderately smooth.	N. 2	Cloudy	Belly slightly torn.	<i>Hydractinia echinata</i> . <i>Loligo forbesi</i> . <i>Homarus vulgaris</i> . <i>Echinus</i> sp.	
6.30 p.m.	11.30 p.m.	5	3 hours flood ; 2 hours ebb.	Moderately smooth.	N.N.E. 4	Cloudy	Aft wing torn	<i>Eupagurus bernhardus</i> f.c. <i>Asterias rubens</i> , <i>Spatangus purpureus</i> . <i>Arnoglossus</i> sp.	
12.30 a.m.	5.30 a.m.	5	3 hours ebb ; 2 hours flood.	Moderately smooth.	N.N.E. 4	Cloudy	—	<i>Eupagurus bernhardus</i> c. <i>Asterias rubens</i> f.c., <i>Astropecten irregularis</i> , <i>Echinus</i> sp.	Several sailing trawlers about us.
6 a.m.	11 a.m.	5	4 hours flood ; 1 hour ebb.	Moderately smooth.	N.E. 5	Cloudy, showery.	—	<i>Loligo forbesi</i> c., <i>Buccinum undatum</i> <i>Eupagurus bernhardus</i> , <i>Galathea intermedia</i> , <i>Porcellana longicornis</i> , <i>Portunus holsatus</i> . <i>Asterias rubens</i> , <i>Echinus</i> sp.	Several sailing trawlers about us.
4 p.m.	6 p.m.	2	First 2 hours flood.	Moderately smooth.	N.E. 4	Cloudy, overcast.	—	<i>Loligo forbesi</i> <i>Eupagurus bernhardus</i> f.c., <i>Portunus holsatus</i> f.c., <i>Astropecten irregularis</i> f.c., <i>Ophiura ciliaris</i> f.c., <i>Asterias rubens</i> .	A few sailing trawlers about us.
6.30 p.m.	Midnight	5½	2½ hours flood to 1½ hours ebb.	Smooth	E. 3	Fine, cloudy.	—	Portunus holsatus abundant, <i>Eupagurus bernhardus</i> c., <i>Corystes cassivelaunus</i> . <i>Asterias rubens</i> f.c., <i>Ophiura ciliaris</i> f.c., <i>Astropecten irregularis</i> , <i>Echinus</i> sp. <i>Trachinus vipera</i> .	A few sailing trawlers about us.
Midnight	5 a.m.	5	First to sixth hours ebb.	Smooth	E. 3	Fine, cloudy.	—	<i>Actinoloba dianthus</i> , <i>Aleyonidium digitatum</i> <i>Fusus antiquus</i> and spawn c. <i>Portunus holsatus</i> f.c., <i>Eupagurus bernhardus</i> , <i>Porcellana longicornis</i> . <i>Asterias rubens</i> , <i>Echinus</i> sp.	Two sailing trawlers about us.

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot- ing.	Towing.	Haul- ing.	Shoot- ing.	Towing.	Haul- ing.
LXIV	26	Sept.	28	B 392	Between Leman and Ower Banks.	53° 9½' N., 1° 55' E.	N.N.W. 5 miles	53° 13½' N., 1° 50' E.	18	..	15½	s. ross.	..	s. & ross.
"	28	"	"	B 393	" " "	53° 14' N., 1° 49½' E.	N.W. 4½ miles	53° 16½' N., 1° 43½' E.	15½	..	17	s. ross.	..	s. ross.
"	29	"	29	B 94	Off Smith's Knoll Light-vessel.	52° 55½' N., 2° 18' E.	S. ½ W. 12½ miles	52° 43' N., 2° 21½' E.	23	..	25½	c.s.	..	s. & ross.
"	30	"	"	B 395	" " "	52° 44½' N., 2° 21½' E.	N. ¾ E. 13 miles	52° 57½' N., 2° 18½' E.	25½	..	19½	s. & ross.	..	s. ross.
"	31	"	"	B 396	" " "	52° 56½' N., 2° 18' E.	S. ½ W. 13 miles	52° 43½' N., 2° 25½' E.	22	..	27	s. ross.	..	s. ross.
LXV	1	Oct.	9	O 353	East of Farn Island	55° 37½' N., 1° 18½' W.	E. by S. ¾ S. 10 miles	55° 37½' N., 1° 2' W.	41	..	48	m.	..	m.
"	3	"	"	O 354	" " "	55° 34½' N., 0° 50' W.	S.E. by S. 10½ miles	55° 28½' N., 0° 38' W.	50	..	40½	m.	..	m.
"	4	"	10	O 355	Brucey's Garden ..	55° 1½' N., 0° 50½' E.	S.E. by S. ½ S. 12½ miles	54° 53' N., 1° 6½' E.	34	..	29	s.m.	..	s.m.
"	5	"	"	O 356	Dogger Bank, East of North West Rough.	54° 53½' N., 1° 40' E.	N.E. ¾ N. 11½ miles	55° 4½' N., 1° 46½' E.	13	..	17½	f.g.s.	..	gvl.
"	6	"	"	O 357	" " "	55° 4½' N., 1° 46½' E.	N.E. by E. ½ E. 10 miles	55° 11½' N., 1° 58' E.	17½	..	18	gvl.	..	c.s.
"	7	"	11	O 358	Dogger Bank, North West of Eastern Shoal.	54° 39½' N., 2° 12½' E.	S.E. by S. ½ S. 6½ miles, N. by E. ½ E. 6½ miles.	54° 42' N., 2° 20½' E.	14	10½	13	f.g.s.	f.g.s.	f.g.s.
"	8	"	"	O 359	Dogger Bank, Eastern Shoal.	54° 41' N., 2° 24½' E.	E. ½ N. 4 miles, S. ½ E. 5 miles, S.W. 1 mile.	54° 39½' N., 2° 35½' E.	13	13	11½	f.g.s.	f.g.s. & sh.	f.g.s.
"	9	"	12	O 360	East part of Clay Deep.	55° 11½' N., 4° 28' E.	N.W. by W. ½ W. 10 miles, E. 2½ miles.	55° 14½' N., 4° 13½' E.	24	24	24	s.o.z.	s.o.z.	s.o.z.
"	10	"	"	O 361	Clay Deep, Edge of Dogger.	55° 14½' N., 4° 13½' E.	N.W. by W. ½ W. 6½ miles, S. ½ W. 6½ miles.	55° 10½' N., 4° 5' E.	24	20	23	f.g.s.	f.g.s. & sh.	f.g. blk.s.
LXVI	1	"	19	B 397	Flamborough Off ..	54° 2' N., 0° 27' E.	E. ¾ N. 9 miles	54° 5' N., 0° 41½' E.	28	..	26	f.d.g.s.	..	f.d.g.s.
"	2	"	"	O 362	" " "	54° 4' N., 0° 40½' E.	N. by E. 6 miles, E. by N. ¼ N. 4 miles.	54° 12½' N., 0° 45½' E.	26	..	30	f.d.g.s.	..	f.d.g.s.
"	3	"	"	O 363	" " "	54° 11½' N., 0° 44½' E.	N.W. ¾ N. 2½ miles, W. by S. ¾ miles, E. by N. 4 miles.	54° 11½' N., 0° 37' E.	30	..	30	f.d.g.s.	..	f.d.g.s.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c., Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
12.1 p.m.	2.10 p.m.	2	Second to fourth hours ebb.	Moderately smooth.	N.E. by E. 5.	Cloudy, showery.	—	<i>Tabularia indivisa</i> f.c., <i>Sertularia abietina</i> .. <i>Frustra foliacea</i> . <i>Sabellaria spinulosa</i> c. Loligo forbesi v.c. <i>Porcellana longicornis</i> f.c., <i>Eupagurus bernhardus</i> . <i>Asterias rubens</i> f.c.	Four sailing trawlers about us.
2.30 p.m.	4.30 p.m.	2	Last 2 hours ebb.	Moderately smooth.	N.E. 4	Cloudy, showery.	Trawl foul; no fish.	Nothing taken	Four sailing trawlers about us.
8 a.m.	1 p.m.	5	3 hours flood; 2 hours ebb.	North East swell.	S.E. to N.E. 3.	Fine, cloudy.	—	Sabellaria spinulosa v.c. <i>Buccinum undatum</i> f.c. <i>Eupagurus bernhardus</i> f.c., <i>Portunus holsatus</i> . <i>Asterias rubens</i> .	Several sailing trawlers about us.
1.30 p.m.	6.30 p.m.	5	3½ hours ebb; 1½ hours flood.	North East swell.	N.E. 4	Fine, cloudy.	—	Sabellaria spinulosa v.c. <i>Loligo forbesi</i> , <i>Sepia officinalis</i> . <i>Eupagurus bernhardus</i> f.c., <i>Cancer pagurus</i> . <i>Asterias rubens</i> f.c. <i>Trachinus vipera</i> .	Several sailing trawlers about us.
7 p.m.	11.30 p.m.	4½	From 1½ hours flood to ½ hour ebb.	Rough	N.E. 6	Cloudy.	—	<i>Hydractinia echinata</i> f.c. Sabellaria spinulosa v.c. <i>Buccinum undatum</i> c. <i>Eupagurus bernhardus</i> c., <i>Cancer pagurus</i> .	Several sailing trawlers about us.
3 a.m.	7 a.m.	4	½ hour to 4½ hours ebb.	Smooth	N.W. 3	Overcast	Ground parted, rope belly torn.	<i>Actinoloba dianthus</i> c. <i>Loligo forbesi</i> . <i>Eupagurus bernhardus</i> c., <i>Lithodes maia</i> c., <i>Nephrops norvegicus</i> . Brissopsis lyrifera abundant, <i>Hippasterias phrygiana</i> c., <i>Astropecten irregularis</i> f.c., <i>Echinus acutus</i> .	W. Garstang, W. Wallace, G. T. Atkinson.
10 a.m.	2 p.m.	4	First 4 hours flood.	Moderately smooth.	N.W. 3	Fine, cloudy.	—	<i>Actinoloba dianthus</i> f.c., <i>Chondractinia digitata</i> f.c. <i>Fusus antiquus</i> f.c., <i>Fusus gracilis</i> f.c., <i>Pecten opercularis</i> f.c., <i>Buccinum undatum</i> . <i>Lithodes maia</i> c., <i>Eupagurus bernhardus</i> . <i>Brissopsis lyrifera</i> c., <i>Spatangus purpureus</i> c., <i>Asterias rubens</i> , <i>Astropecten irregularis</i> , <i>Hippasterias phrygiana</i> c., <i>Solaster endeca</i> .	
2 a.m.	7 a.m.	5	First 5 hours ebb.	Moderately rough.	N. 5	Cloudy, showery.	Belly badly torn	Not recorded	Two steam trawlers and several Dutch drifters about us.
10.45 a.m.	3.45 p.m.	5	From first to sixth hours ebb.	Moderately smooth.	N.E. 4	.. .. .	—	Loligo forbesi abundant <i>Echinus esculentus</i> , c., <i>Asterias rubens</i> f.c.	Several steam trawlers about us and several Dutch drifters N.W. of us.
4.20 p.m.	8.20 p.m.	4	First 4 hours ebb.	Moderately smooth.	N.E. 4	Cloudy, showery.	—	Alcyonidium gelatinosum v.c. Pecten opercularis abundant, Loligo forbesi v.c. <i>Asterias rubens</i> f.c.	One steam trawler with us.
4 a.m.	9 a.m.	5	First 5 hours flood.	Smooth	N.E. 4	Fine, cloudy, showery.	—	Pecten opercularis v.c., <i>Loligo forbesi</i> f.c. <i>Portunus holsatus</i> f.c., <i>Eupagurus bernhardus</i> . Asterias rubens v.c.	Several steam trawlers and Dutch drifters about us; close to O. 82. Ostend steam trawler "Albert" when hauling.
10.10 a.m.	2.10 p.m.	4	First to fifth hours ebb.	Moderately smooth.	N.E. 5	Cloudy, showery.	—	Alcyonidium gelatinosum v.c. <i>Loligo forbesi</i> c. <i>Asterias rubens</i> f.c.	Surrounded by Dutch drifters shooting their nets.
4 a.m.	9 a.m.	5	Nil.	Moderately smooth.	N. by E. 5	Fine, cloudy, showery.	—	<i>Halichondria panicea</i> f.c. Alcyonidium digitatum v.c. <i>Aphrodite aculeata</i> . <i>Fusus antiquus</i> f.c., <i>Fusus gracilis</i> f.c., <i>Loligo forbesi</i> f.c. <i>Ophiothrix fragilis</i> c.	Several steam trawlers about.
9.40 a.m.	2.40 p.m.	5	Nil.	Moderately smooth.	N. 5	Overcast, cloudy.	—	<i>Obelia longissima</i> dead, surf-rolled Alcyonidium gelatinosum v.c. <i>Loligo forbesi</i> c.	One steam trawler with us.
7 a.m.	11 a.m.	4	2 hours flood; 2 hours ebb.	Moderately rough.	N.E. 6	Fine, cloudy, showery.	—	<i>Actinoloba dianthus</i> c., <i>Antennularia ramosa</i> c., <i>Hydrallmania jalcata</i> c., <i>Sertularia abietina</i> c., <i>Tabularia indivisa</i> c., <i>Alcyonium digitatum</i> . <i>Gemellaria loricata</i> f.c. <i>Nereis pelagica</i> f.c. <i>Loligo forbesi</i> c., <i>Pecten opercularis</i> c., <i>Buccinum undatum</i> f.c. <i>Cancer pagurus</i> c., <i>Stenorhynchus longirostris</i> f.c., <i>Eupagurus bernhardus</i> . <i>Solaster papposus</i> c., <i>Asterias rubens</i> , <i>Ophiothrix fragilis</i> . <i>Botryllus</i> sp., c., <i>Callionymus lyra</i> , <i>Trachinus vipera</i> .	W. Garstang, W. Wallace, G. T. Atkinson.
Noon.	4 p.m.	4	Second to sixth hours ebb.	Moderately rough.	N.E. 5	Fine, cloudy, showery.	—	<i>Loligo forbesi</i> c., <i>Pecten opercularis</i> .	
4.40 a.m.	10 p.m.	5½	First 5 hours flood.	Moderately rough.	N.E. 4	Fine, cloudy, showery.	—	Very little taken	One steam trawler with us.

Voyage.	Station.	Month.	Day.	Net and No. of Haul.	Name of Ground.	Position.			Depth (fathoms).			Bottom.		
						Shot.	Course.	Hauled.	Shoot-ing.	Towing.	Haul-ing.	Shoot-ing.	Towing.	Haul-ing.
LXVI	4	Oct.	19-20	O 364	Flamborough Off ..	54° 10 $\frac{1}{2}$ ' N., 0° 36 $\frac{3}{4}$ ' E.	S.S.W. $\frac{1}{2}$ W. 5 $\frac{1}{2}$ miles. E. $\frac{1}{2}$ N. 4 $\frac{1}{2}$ miles. S.W. by W. $\frac{3}{4}$ W. 3 $\frac{3}{4}$ miles.	54° 4 $\frac{1}{2}$ ' N., 0° 38' E.	30	..	26	f.d.g.s.	..	f.g.s.
"	5	"	20	O 365	Western Edge of Flamborough Off.	54° 4 $\frac{1}{2}$ ' N., 0° 38' E.	S.W. $\frac{1}{2}$ W. 7 $\frac{1}{2}$ miles. E. by N. $\frac{1}{2}$ N. 4 $\frac{1}{2}$ miles. S.W. $\frac{3}{4}$ W. 1 $\frac{1}{2}$ miles.	53° 59 $\frac{1}{2}$ ' N., 0° 36' E.	26	..	26	f.g.s.	..	f.g.s.
"	6	"	20	O 366	Flamborough Off ..	53° 59 $\frac{1}{2}$ ' N., 0° 36' E.	E. $\frac{1}{2}$ N. 11 $\frac{1}{2}$ miles	54° 3' N., 0° 54 $\frac{3}{4}$ ' E.	26	..	25	f.g.s.	..	f.d.g.s.
"	7	"	24	O 367	Markham's Hole ..	53° 43 $\frac{3}{4}$ ' N., 2° 40 $\frac{1}{2}$ ' E.	E. by N. 3 $\frac{1}{2}$ miles, N. by E. 2 $\frac{1}{2}$ miles, N.W. $\frac{3}{4}$ W. 5 $\frac{1}{2}$ miles.	53° 49' N., 2° 34 $\frac{1}{2}$ ' E.	20	23, 23	33	spk.s.	..	s.m.
"	8	"	"	O 368	Leman Ground ..	53° 33 $\frac{3}{4}$ ' N., 2° 30 $\frac{1}{2}$ ' E.	S.W. by S. $\frac{3}{4}$ S. 10 miles	53° 23 $\frac{1}{2}$ ' N., 2° 28' E.	17	15	12	gvl.	f.s.	f.s.
"	9	"	25	O 369	" "	53° 24 $\frac{3}{4}$ ' N., 2° 23 $\frac{1}{2}$ ' E.	S.E. by S. 5 $\frac{1}{2}$ miles, N. $\frac{3}{4}$ W. 5 $\frac{1}{2}$ miles, S.W. $\frac{3}{4}$ W. 2 miles.	53° 24 $\frac{3}{4}$ ' N., 2° 24 $\frac{1}{2}$ ' E.	10	14	12	f.g.s.	..	f.g.s.
"	10	"	"	O 370	" "	53° 24 $\frac{3}{4}$ ' N., 2° 24 $\frac{1}{2}$ ' E.	S.E. by S. 3 miles, S.E. by S. $\frac{1}{2}$ S. 12 $\frac{1}{2}$ miles.	53° 13 $\frac{3}{4}$ ' N., 2° 42 $\frac{3}{4}$ ' E.	12	14, 15	18	f.g.s.	f.g.s.	f.g.s.
LXVII	4	"	31	B (c.) 398	Margate Road ..	51° 24 $\frac{3}{4}$ ' N., 1° 23' E.	E. by S. 3 $\frac{1}{2}$ miles	51° 25' N., 1° 28' E.	7	8	8	s.m. gvl.	..	s.m.
"	5	"	"	B 399	" "	51° 24 $\frac{3}{4}$ ' N., 1° 23 $\frac{1}{2}$ ' E.	E. $\frac{1}{2}$ N. 3 $\frac{1}{2}$ miles	51° 25 $\frac{3}{4}$ ' N., 1° 28 $\frac{1}{2}$ ' E.	8	8, 9	9 $\frac{1}{2}$	s.m.	..	s.m.

I. PARTICULARS OF STATIONS.

Duration of Haul.			Tide.	Sea.	Weather.		Damage to Net, &c.	Bottom Fauna.	General Remarks, Trawlers Working, &c. Naturalist in Charge and Assistants.
Shot.	Hauled.	No. of Hours.			Wind and Force.	Sun, Rain, &c.			
10.30 p.m.	4 a.m.	5½	First 5 hours ebb.	Moderately rough.	N.E. 4	Fine, cloudy.	—	Not recorded	One steam trawler with us.
4.30 a.m.	9.30 a.m.	5	First 5 hours flood.	Moderately smooth.	N.N.E. 4	Fine, cloudy.	—	<i>Actinoloba dianthus</i> Loligo forbesi abundant, <i>Pecten opercularis</i> f.c. Cancer pagurus v.c., <i>Eupagurus bernhardus</i> . <i>Asterias rubens</i> , <i>Solaster papposus</i> .	One steam trawler with us.
10 p.m.	2.45 p.m.	4½	5½ hours flood to 4½ hours ebb.	Rough	N. 6	Cloudy	—	<i>Actinoloba dianthus</i> <i>Buccinum undatum</i> , <i>Fusus antiquus</i> , <i>Loligo forbesi</i> , <i>Pecten opercularis</i> .	A large number of drifters about us.
6.30 a.m.	11.30 a.m.	5	1 hour flood to 4 hours ebb.	Moderately smooth.	N.E. by E. 4	Fine, cloudy, showery.	Belly torn; stone through cod end.	Sertularia abietina v.c. <i>Scrupocellaria reptans</i> f.c. <i>Loligo forbesi</i> c. Ophiotrix fragilis abundant, <i>Asterias rubens</i> , <i>Astropecten irregularis</i> .	Several Dutch drifters about us.
2.30 p.m.	6.30 p.m.	4	Second to sixth hour flood.	Moderately smooth.	N. 3	Fine, cloudy, showery.	—	<i>Actinoloba dianthus</i> c., <i>Sertularia abietina</i> f.c., surfi-rolled. Loligo forbesi v.c. <i>Eupagurus bernhardus</i> , <i>Portunus holsatus</i> . <i>Asterias rubens</i> f.c.	Several drifters about us.
5 a.m.	10 a.m.	5	3 hours flood; 2 hours ebb.	Moderately smooth.	N.E. 3	Fine, cloudy.	—	<i>Hydrallmania falcata</i> c., <i>Sertularia abietina</i> c., surfi-rolled, <i>Actinoloba dianthus</i> . <i>Loligo forbesi</i> c. Paratylus swammerdami v.c., <i>Hyas coarctatus</i> . <i>Asterias rubens</i> c., <i>Astropecten irregularis</i> c.	Several Dutch drifters about us.
10.30 a.m.	4.30 p.m.	6	3½ hours ebb and 2½ hours flood.	Moderately smooth.	N.E. 4	Fine, cloudy.	—	<i>Hydrallmania falcata</i> and <i>Sertularia abietina</i> f.c., surfi-rolled, <i>Actinoloba dianthus</i> f.c. <i>Loligo forbesi</i> f.c. <i>Eupagurus bernhardus</i> . <i>Asterias rubens</i> c., <i>Astropecten irregularis</i> f.c.	
8.40 p.m.	10.10 p.m.	1½	Slack to 1½ hours flood.	Smooth	S.W. 7	Cloudy	—	<i>Hydrallmania falcata</i> c. <i>Rhizostoma</i> sp., several. <i>Buccinum undatum</i> . Portunus depurator v.c., <i>Pandalus montagui</i> c., <i>Hyas araneus</i> f.c., <i>Portunus puber</i> f.c., <i>Cancer pagurus</i> , <i>Eupagurus bernhardus</i> , <i>Homarus vulgaris</i> . <i>Echinus</i> sp., c., <i>Asterias rubens</i> , <i>Solaster papposus</i> . Agonus cataphractus v.c., <i>Callionymus lyra</i> c., <i>Gobius minutus</i> c.	Small mesh net round ordinary trawl. W. Wallace and D. J. Matthews.
2 p.m.	3.45 p.m.	1½	Slack to 1½ hours ebb.	Smooth	S.W. 7	Cloudy	Belly and wings very badly torn.	Not recorded.	

Net and No.	Date.	Duration (hrs.)	Centimetres.																																			
			7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35							
B 116	1904. Mar. 16	3	{..	..	..	..	..	4	3	26	24	27	16	13	9	5	3	3	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
B 117	" 16	2½	{..	..	..	..	..	..	1	..	..	..	4	..	..	..	3	2	4	5	2	3	3	3	3	..	..	..	..	..	..	..	..	..	..
O 167††	" 22	1½	{..	..	..	..	..	..	..	1	5	5	5	4	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
O 168††	" 22	2	{..	..	..	..	..	..	..	8	2	3	4	..	..	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
O 169††	" 22	2	{..	..	..	..	..	..	..	15	13	8	4	1	4	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
O 170††	" 22	2	{..	..	..	1	..	..	..	6	14	10	6	6	1	..	2	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..
O 171††	" 22	1¾	{..	..	..	..	..	..	..	..	..	..	..	2	4	2	1	3	2	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
O 172§	" 24	5	{..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	3	..	1	..	1	1	2	..	3	..	1	..	
O 173	" 24	5	{..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	..	2	..	..	..	..
O 174	" 24	3	{..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	1	1	1	1	..	1	1	2	1	..
O 175	" 26	5	{..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	3	3	3	1	..	2	..	1	..	..	..	..	..
O 176	" 26-27	6	{..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..
O 177	" 27	6	{..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..
O 178	" 27	7½	{..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	1	1	1	..	..	..	..	..	..	..	..
O 179	" 27	7½	{..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	2	2	1	..	1	..	..	..	..	..	..	..	..	..
O 180	" 28	6½	{..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	..	2	1	1	1	1	2	..	..	..	..	..	..
O 181	" 28	7½	{..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	2	..	..	..	..	..	..	..	..
O 182	" 28	6½	{..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
O 183	" 29-30	6	{..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	3	2	2	3	..	2	1	1	..	..	..	..	..
O 184	" 30	5½	{..	1	..	1	2	..	1	2	2	2	2	2	..	2	2	..	2	1	..	
O 185	" 30	4¾	{..	2	..	1	..	1	1	1	2	2	
B 119	April 9	2	{..	1	
B 120	" 9	2	{..	1	1	
B *122	" 11	1¼	{..	1	1	2	2	4	6	6	5	10	12	4	5	1	2	1	1
B 123§	" 11	1¼	{..	1	1	3	8	12	15	12	17	13	13	9	6	4	3	4	2	1
B 124	" 12	1	{..	2	1	4	7	13	13	10	24	24	17	15	13	6	4	5	1	2	3	1
O 186	" 14	5	{..	1
O 187	" 14	5	{..	1	1	1	..	1	1	1
B 125	" 15	3	{..	1	..	2	8	12	23	25	20	26	28	25	35	20	34	13	7	6	4	2	1	1	1	

†† Samples selected for transplantation ; probably not representative.
 § Accident to net probably did not influence catch.

TRAWLING INVESTIGATIONS, 1904-5.

Net and No.	Date.	Duration (hrs.).	Centimetres.																																		
			7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35						
1904.																																					
B 126	April 15	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	2	3	2	4	3	4	5	5	5	1	2	1	2	1	..	
B 127	May 11	3	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	1	3	..	..	2	..	1	1	..	..	..	..	1	..	..	..	..
B 128	" 12	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 129	" 12	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
B 130	" 12	3	..	..	..	..	3	12	16	20	19	10	10	5	6	4	4	2	4	3	5	1	2	1	1	..	..	2	2	..	1	..	..	..	..
B 131	" 12	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	4	3	..	1	1	..	1	1	..	1	1	..	1	1	..	..	..	..
O 188	" 13	2	..	..	..	1	1	1	12	9	7	10	21	25	21	15	8	5	5	..	2	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
B 132	" 13	2	..	..	1	6	19	27	28	25	19	35	49	67	51	34	12	6	5	7	5	2	3	4	..	..	..	..	..	..	..	..	..	..	..	..
B 133	" 13	2	..	..	..	..	..	..	..	..	..	..	..	..	2	5	5	4	6	3	3	4	1	3	7	7	9	3	5	4	2	1	..	..	..
B 134	" 17	2	..	..	..	3	1	5	1	2	10	14	16	12	16	17	9	11	2	3	2	4	1	1	..	1	1	..	1	1	..	..	..	..	..
B 136	" 18	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 137	" 18	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 138	" 21-22	3	..	..	..	..	..	12	18	18	15	28	36	36	42	32	33	24	8	19	20	17	17	21	9	3	..	4	1	..	..	..	..	..	..
B 139	" 23	2	..	..	..	..	..	1	7	7	20	4	11	21	29	23	13	13	8	16	13	13	18	18	13	20	13	8	3	2	1	..	..	..	..
B 140	" 24	1	..	..	..	1	6	30	55	53	74	141	194	224	224	144	89	75	37	30	11	7	2	6	4	1	..	..	..	..	..	..	..	..	..
B 141	" 24	1	..	..	..	..	..	2	3	3	10	20	32	34	24	27	8	6	4	2	1	3	1	4	2	..	1	..	..	..	..	..	..	..	..
B 142	" 25	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 143	" 26	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 144	" 26	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 145	" 27	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 146	" 27	1	..	..	..	..	..	..	..	2	4	5	1	5	5	4	3	5	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B(c.) 147	" 27	1	..	..	..	..	..	1	..	3	4	8	4	5	3	4	2	2	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 150	June 3	2	..	..	..	..	..	1	1	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 152	" 17	3	..	..	..	..	..	1	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 153	" 18	1 1/2	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 154	" 18	2	1	..	4	2	3	5	1	4	3	3	1
O 189	" 28	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
O 190	" 28	5 1/2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	7	..	5	1	4	3	1	2	4	..	..	..	..	..	..
O 191	July 2	4	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	3	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
O 192	" 2-3	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	3	1	..	2	2	7	12	14	..	..	..
O 193	" 3	5 1/2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	1	3	5	14	..	..	..
O 194	" 3	5 1/2	3	2	12	..

† Only part of catch measured.
 §§ Trawling with chain round the ground rope.
 § Accident to net probably did not influence catch.

Net and No.	Date.	Duration (hrs.)	Centimetres.																																							
			7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35											
O 228	July 26	3½	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	5	16	27	42	37	40	14	9	6	2	1	..	2	1	1	..				
O 229	" 26	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
O 230	" 26-27	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 159	" 27	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 160	" 27	5½	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 161	" 27	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B(c.) 162	Aug. 3	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
O 231	" 3	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B(c.) 163	" 3	1		
O 232	" 3	6		
B 166	" 9	3½		
B 167	" 9-10	5½	
B 168§	" 16	¾	
B 169	" 16	3	
B 171	" 17	3	
B 172	" 17	2	
B 174	" 20	2	
B 175	" 20	4	
B 176	" 21	3	
B 177	" 21	7	
B 178	" 21	2	
B 179¶	" 21-22	8	
B 180	" 22	7	
B 181§	" 22	2	
B 182	" 22	2
B 183	" 28	5	
B 185	" 28	5	

§ Accident to net probably did not influence catch.
 ¶ Only part of catch measured.

Net and No.	Date.	Duration (hrs.)	Centimetres.																																
			7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35				
B 285†	1905. Feb. 16	4	{	..	..	..	..	..	..	..	..	..	1	..	1	..	..	3	..	1	3	3	3	2	2	2	1	1	..	4	..	1	..	1
B 286	" 17	5	{	..	..	..	..	..	..	..	..	1	4	2	6	7	12	9	7	6	4	10	7	10	3	6	6	2	4	2	3	1	1	
B 287	" 17	4	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	1	..	1	..	..	
B 288*	" 28	3/4	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 289	Mar. 1	4	{	..	..	..	..	..	1	..	1	..	1	5	4	2	5	6	6	6	5	6	4	8	3	..	2	..	1	1	..	1		
B 290	" 1-2	5	{	..	..	..	..	..	1	..	..	1	..	1	1	1	1	3	2	..	..	..	..	..	..	1	2	1	1	1	1	3		
B 291	" 2	3	{	..	..	..	..	..	..	1	2	1	..	..	1	2	2	2	2	5	2	3	4	5	6	2	7	6	6	4	2			
B 292	" 2-3	4	{	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	..	..	..	..	2	..	2	..	4	3	2	2	2	3	
O 278§	" 3	5	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
O 279	" 4	4	{	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..
O 280	" 4	4	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	2	2	1	..	5	..	5	2	1	
B 294§	" 10	5	{	..	..	..	..	..	1	3	4	2	3	3	..	5	1	..	3	3	3	2	1	6	1	4	1	4	1	..	..	1	2	
O 281§	" 17	2	{	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
O 282	" 17	2	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
O 283	" 17	2	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	1	..	
O 284	" 17-18	5	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	2	1	2	3
O 285	" 18	5	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
O 289§	" 19	5	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
B 295	" 31	2	{	..	..	..	5	5	7	6	4	4	4	8	3	2	4	2	1	4	2	..	1	..	..	..	..	..	..	..	..	..	..	..
B 296	" 31	2	{	..	..	..	..	1	2	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 297	" 31	2	{	..	..	..	2	5	15	8	14	10	25	27	19	24	19	18	4	7	3	2	1	..	1	1	..	..	..	..	..	..	..	..
B 298	" 31	2	{	..	..	..	1	1	4	12	11	12	15	22	22	31	16	15	13	5	4	5	4	1	..	1	..	..	..	..	..	..	..	..
O 290	April 18	1	{	..	..	..	..	..	1	..	1	..	2	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
O 291	" 18	1	{	..	..	..	1	..	1	1	1	4	3	5	5	3	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
O 292	" 18	2	{	..	..	..	..	..	..	..	..	..	1	6	7	11	9	7	2	6	3	2	..	..	..	..	..	..	..	..	..	..	..	..
O 293†	" 19	1 1/2	{	..	..	..	..	..	..	..	..	..	..	5	6	7	11	7	3	4	6	5	..	1	1	1	1	..	..	..	..	..	..	..
O 294	" 19	1 1/2	{	..	..	..	..	..	..	..	..	..	1	4	6	6	6	..	6	1	4	1	1	..	..	..	..	..	..	..	..	..	..	..
O 95	" 19	1 1/2	{	..	..	..	..	..	..	..	..	..	5	6	10	12	7	12	12	6	1	..	..	..	..	..	..	..	..	..	..	..	..	..

† Accident to net which may or may not have influenced catch.
 * Accident to net probably influenced catch. See Table III.
 § Accident to net probably did not influence catch.

II. MEASUREMENTS OF PLATICE.

Centimetres.

	59	60	61	62	63	64	65	66	67	68	Total Measured for each Sex.	Average Size (cm.).
M. 30	1	1	1	1	1	1	1	1	1	1	10	27.8
F. 27	2	1	1	1	1	1	1	1	1	1	12	24.6
M. 150	1	1	1	1	1	1	1	1	1	1	10	31.5
F. 27	1	1	1	1	1	1	1	1	1	1	10	31.5
M. 6	1	1	1	1	1	1	1	1	1	1	10	31.5
F. 10	1	1	1	1	1	1	1	1	1	1	10	31.5
+	1	1	1	1	1	1	1	1	1	1	10	-
M. 69	1	1	1	1	1	1	1	1	1	1	10	24.0
F. 27	1	1	1	1	1	1	1	1	1	1	10	24.0
M. 22	1	1	1	1	1	1	1	1	1	1	10	25.7
F. 11	1	1	1	1	1	1	1	1	1	1	10	25.7
M. 68	1	1	1	1	1	1	1	1	1	1	10	29.5
F. 88	1	1	1	1	1	1	1	1	1	1	10	29.5
M. 26	1	1	1	1	1	1	1	1	1	1	10	33.2
F. 62	1	1	1	1	1	1	1	1	1	1	10	33.2
M. 8	1	1	1	1	1	1	1	1	1	1	10	39.6
F. 8	1	1	1	1	1	1	1	1	1	1	10	39.6
M. 3	1	1	1	1	1	1	1	1	1	1	10	37.7
F. 31	1	1	1	1	1	1	1	1	1	1	10	37.7
M. 5	1	1	1	1	1	1	1	1	1	1	10	33.9
F. 31	1	1	1	1	1	1	1	1	1	1	10	33.9
M. 51	1	1	1	1	1	1	1	1	1	1	10	22.6
F. 46	1	1	1	1	1	1	1	1	1	1	10	22.6
M. 6	1	1	1	1	1	1	1	1	1	1	10	31.2
F. 8	1	1	1	1	1	1	1	1	1	1	10	31.2
M. 1	1	1	1	1	1	1	1	1	1	1	10	41.5
F. 1	1	1	1	1	1	1	1	1	1	1	10	41.5
M. 9	1	1	1	1	1	1	1	1	1	1	10	35.4
F. 2	1	1	1	1	1	1	1	1	1	1	10	35.4
M. 19	1	1	1	1	1	1	1	1	1	1	10	34.5
F. 10	1	1	1	1	1	1	1	1	1	1	10	34.5
M. 5	1	1	1	1	1	1	1	1	1	1	10	41.0
F. 7	1	1	1	1	1	1	1	1	1	1	10	41.0
M. 1	1	1	1	1	1	1	1	1	1	1	10	38.9
F. 16	1	1	1	1	1	1	1	1	1	1	10	38.9
M. 62	1	1	1	1	1	1	1	1	1	1	10	17.5
F. 54	1	1	1	1	1	1	1	1	1	1	10	17.5
M. 5	1	1	1	1	1	1	1	1	1	1	10	18.5
F. 10	1	1	1	1	1	1	1	1	1	1	10	18.5
M. 205	1	1	1	1	1	1	1	1	1	1	10	18.9
F. 185	1	1	1	1	1	1	1	1	1	1	10	18.9
M. 225	1	1	1	1	1	1	1	1	1	1	10	18.4
F. 259	1	1	1	1	1	1	1	1	1	1	10	18.4
M. 6	1	1	1	1	1	1	1	1	1	1	10	17.1
F. 17	1	1	1	1	1	1	1	1	1	1	10	17.1
M. 28	1	1	1	1	1	1	1	1	1	1	10	16.8
F. 40	1	1	1	1	1	1	1	1	1	1	10	16.8
M. 54	1	1	1	1	1	1	1	1	1	1	10	18.5
F. 90	1	1	1	1	1	1	1	1	1	1	10	18.5
+ 209	1	1	1	1	1	1	1	1	1	1	10	-
M. 58	1	1	1	1	1	1	1	1	1	1	10	21.1
F. 54	1	1	1	1	1	1	1	1	1	1	10	21.1
M. 36	1	1	1	1	1	1	1	1	1	1	10	18.6
F. 33	1	1	1	1	1	1	1	1	1	1	10	18.6
+ 64	1	1	1	1	1	1	1	1	1	1	10	-
M. 71	1	1	1	1	1	1	1	1	1	1	10	22.1
F. 56	1	1	1	1	1	1	1	1	1	1	10	22.1

† Only part of catch measured
Sex not determined.

TRAWLING INVESTIGATIONS, 1904-5.

Net and No.	Date.	Duration (hrs.).	Centimetres																																						
			7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35										
B 310	1905. May 25	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	9	14	7	2	3	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..
R 311	" 25	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	2	1	..	1	2	..	1	2	..	..	..	..	..	..	..	..	..	..	..
B 312	" 25	1 1/2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	3	1	3	10	3	12	7	10	7	4	3	1	1	..	..	..	..	..	..	..
B(c.) 313	" 26	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 314	" 29	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 315	" 29	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 317	" 30	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 318	" 30	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
O 312*	" 30	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B(c.) 319	" 30	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
O 313	" 30	2	1	2	1	1	..	2	
O 314	" 31	4	
B(c.) 320	" 31	1	
O 315	" 31	4	
O 316	" 31	3	
O 317	June 1	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 321	" 1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 322	" 2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	2	1	..	..	3	1	..	1	..	3	..	1	2	2	4	1	2	1	2	1	
B 323	" 2	2	
B 324	" 16	1 1/2	
B 325	" 16	3	
B 326	" 16	1	
B 328	" 20	3 1/2	
B 329§	" 20	2 1/2	
B 331	" 20	3	
B 332	" 21		
B 333	" 21	4 1/2
B 334	" 21	4 1/2
B 335	" 21	5 1/2
B 556	" 21-22	5 1/2	
B 337	" 22	5 1/2

* Accident to net probably influenced catch. See Table III.
 § Accident to net probably did not influence catch.

II. MEASUREMENTS OF PLACE.

Centimetres.	Total Measured for each Sex.		Average Size (cm.).
36	..	..	..
37	..	..	..
38	..	..	..
39	..	..	..
40	..	..	..
41	..	..	..
42	..	..	..
43	..	..	..
44	..	..	..
45	..	..	..
46	..	..	..
47	..	..	..
48	..	..	..
49	..	..	..
50	..	..	..
51	..	..	..
52	..	..	..
53	..	..	..
54	..	..	..
55	..	..	..
56	..	..	..
57	..	..	..
58	..	..	..
59	..	..	..
60	..	..	..
61	..	..	..
62	..	..	..
63	..	..	..
64	..	..	..
65	..	..	..
66	..	..	..
67	..	..	..
68	..	..	..
	M. 40	F. 37	{ 20.0
	+ 1	+ 1	{ 22.2
	M. 12	F. 11	{ 23.7
	M. 66	F. 65	{ 29.7
	+ 2	+ 2	{ 41.0
	F. 1	F. 1	{ 41.0
	M. 1	M. 1	{ 41.0
	M. 2	F. 2	{ 39.5
	M. 13	F. 14	{ 38.5
	M. 5*	F. 4*	{ 36.6
	M. 3	F. 6	{ 41.6
	M. 11	F. 27	{ 34.7
	M. 5	F. 7	{ 31.6
	F. 2	M. 10	{ 30.0
	F. 7	F. 7	{ 34.5
	M. 6	F. 13	{ 35.3
	M. 32	F. 25	{ 31.0
	M. 8	F. 8	{ 26.5
	M. 28	F. 30	{ 30.1
	M. 11	F. 8	{ 32.1
	+ 1	+ 1	{ 32.1
	+ 1	+ 1	{ 32.1
	+ 5	+ 5	{ 27.9
	M. 20	F. 16	{ 27.9
	M. 21	F. 12	{ 20.3
	M. 24	F. 20	{ 28.5
	M. 38	F. 39	{ 30.2
	M. 80	F. 48	{ 30.2
	M. 68	F. 37	{ 27.4
	M. 69	F. 39	{ 30.8
	M. 168	F. 91	{ 26.8
	M. 73	F. 48	{ 26.0

Sex not determined.

Net and No.	Date.	Duration (hrs.)	Centimetres.																																								
			7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35												
B 338	1905. June 22	5	{	1	..	1	4	4	7	4	6	10	6	7	7	5	4	2	1											
B 339	" 22	5	{	..	..	..	..	..	..	1	..	1	..	1	..	1	2	4	5	5	6	8	11	6	5	4	2	2	..	..	..									
B 340	" 22-23	5	{	..	..	..	..	..	..	..	..	1	..	1	4	8	8	4	6	6	10	4	11	4	7	4	1	2	..	..	..									
B 341	" 23	6	{	..	..	..	..	..	..	1	..	..	..	1	..	2	1	1	1	1	3	4	..	6	3	4	3	3	..	2	..			
B 342	" 23	5	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..
B 343	" 23	5	{	1	1	1	..											
O 318	" 27	5	{											
O 319	" 27	5	{										
O 320	" 27-28	5½	{										
O 321	" 28	5	{										
O 323	" 29	2	{									
B(c.) 344	" 29	1	{								
O 324	" 29	2	{							
O 325	" 30	2	{						
O 326	" 30	2	{					
O 327	July 1	2	{					
O 328	" 1	2	{				
B 345	" 7	2	{	3	8	16	21	34	21	26	16	12	9	7	1	4	..	2				
O 329	" 7	5	{			
O 330*	" 8	5	{			
O 331	" 9	5	{			
O 332	" 9	2	{		
O 334	" 10	2	{		
O 335	" 10	4½	{		
O 336	" 11	2	{	
O 337*	" 11	2	{	
B(c.) 346	" 12	1	{	
O 338	" 12	2	{	
O 340†	" 23	1	{	1	9	11	7	8	4	2	5	1	1
O 341	" 24	1	{

* Accident to net probably influenced catch. See Table III.
 † Only part of catch measured.

II. MEASUREMENTS OF PLICE.

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			Centimeters												Total Measured for each Sex.	Average Size (cm.)																						
			36	37	38	39	40	41	42	43	44	45	46	47			48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	
M	69																																					25.8
F	44																																				26.8	
M	63																																			26.8		
F	35																																			26.8		
M	82																																			26.8		
F	63																																			26.6		
M	36																																			26.6		
F	28																																			34.7		
M	3																																			34.7		
F	6																																			33.4		
M	10																																			33.4		
F	22																																			37.4		
M	1																																			36.4		
F	4																																			42.9		
M	8																																			42.9		
E	35																																			42.2		
M	9																																			49.0		
F	12																																			47.0		
M	1																																			49.0		
E	4																																			46.6		
E	1																																			47.5		
F	4																																			46.8		
M	2																																			43.7		
E	1																																			43.7		
F	14																																			45.8		
M	1																																			47.5		
F	12																																			17.2		
M	1																																			40.1		
E	2																																			38.7		
F	35																																			40.1		
M	1*																																			38.7		
F	30																																			40.1		
M	4																																			38.8		
F	8																																			42.2		
M	4																																			41.9		
F	4																																			41.9		
M	4																																			41.2		
F	4																																			42.5		
F	2*																																			41.0		
M	1																																			58.0		
F	1																																			58.0		
F	3																																			41.5		
M	49																																			41.5		
F	87																																			41.5		
†	233																																		41.5			
†	2																																		41.5			

† Sex not determined.

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2 B

Net and No.	Date.	Duration (hrs.)	Centimetres.																																						
			7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35										
O 342	1905. July 24	1	..	..	..	..	..	..	..	..	..	..	..	1	2	5	5	3	1	3	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 347	Aug. 8	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 348	" 9	2	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	3	..	..	3	3	..	2	2	2	1	2	..	1	2	1	2	..	1	2				
B 349	" 9	2	..	..	..	..	..	..	..	..	..	..	..	1	..	1	4	2	..	3	3	..	2	1	1	1	1	2	2	2	1	..	..	..	..	..
B 350	" 9	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	6	3	1	2	6	3	3	1	1	4	..	..	1	..	..	..	..	..	..
B 351	" 9	2	..	..	..	..	..	..	..	..	..	..	..	1	1	1	2	..	1	..	3	1	1	2	1	3	2	..	2	3	1	1	1	2	1	2				
B 352	" 9	2	..	..	..	..	..	..	..	..	..	..	..	2	1	..	1	..	1	..	1	2	1	1	1	2	..	3	1	..	..	..	..	..	..	..
B 353	" 9	2	..	..	..	..	..	..	..	..	..	..	..	1	..	2	1	..	2	1	3	2	1	..	..	2	1	2	..	2	2	3	2	1	2	2	..	..	
B 354	" 9	2	..	..	..	..	..	..	..	..	..	..	..	2	1	..	1	..	1	..	2	2	3	3	2	1	2	2	1	1	2	1	1	1	1	..	..		
B 355	" 10	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	3	2	3	3	4	4	3	3	2	2	..	1	..	..	..	..
B 356†	" 10	2	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	2	1	1	2	1	2	5	1	2	2	1	..	1	..	..	1	1	..	..	..	
B 357	" 10	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	2	1	..	1	..	..	..	..	..	..	..	..
B 358	" 10	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	1	1	..	1	1	..	1	..	..	..	..	..	..	..	..
B 359	" 12	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 361	" 12	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 363	" 13	2	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	1	1	1	3	1	5	1	1	2	1	..	..	..	..	..	..	..	..	..	..	..
B 364	" 13	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	2	1	..	..	2	4	..	1	..	..	..	..	..	..	..	..	..
B 365	" 13	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	3	4	2	6	..	1	2	1	2	1	2	1	..	..	..	..	..
B 366	" 13	2	1	1	1	2	1	
B 367	" 14	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	3	..	..	..	..	..	2	..	1	..	1	..	1	..	1	..	
B 368	" 14	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	1	..	2	..	..	..	..	..	..	1	..	..
B 369	" 14	1½	
B 370	" 14	1½	1	1	
B 371§	" 24	1	1	..	1	1	..	1	3	..	1	
B 372	" 24	2½	1	1	2	2	..	3	1	1	1	1
B 373	" 29	2	1	5	38	38	43	46	27	28	28	15	6	5	
O 343	Sept. 5	4	1	1	..	1	1	2	5	6	1	1	..	2	2	3	..	2	
O 344	" 5	4	1	..	1	..	4	1	4	1	2	1	5	1	3	1	1	1	1	3	..	2	..	2	2	

† Accident to net which may or may not have influenced catch. See Table III.
 § Accident to net probably did not influence catch.

II. MEASUREMENTS OF PLAGE.

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Centimetres.	Total Measured for each Sex.		Average Size (cm.).
	M.	F.	
36	1		16.3
37	1		
38	1		17.4
39	1		
40	2		24.6
41	1		
42			23.7
43			
44	1		26.6
45	1		
46			23.7
47			
48	1		24.6
49			
50			23.4
51	1		
52			26.9
53			
54			25.5
55			
56			26.9
57			
58			25.1
59			
60			26.7
61			
62			27.4
63			
64			26.6
65			
66			23.4
67			
68			26.9
			25.5
			26.9
			25.1
			26.7
			27.4
			17.0
			17.0
			23.7
			26.3
			26.6
			24.1
			31.5
			28.5
			33.0
			17.8
			16.6
			50.4
			27.7
			26.9

Centimetres.

Total Measured for each Sex.
Average Size (cm.).

M. 23
F. 62
+ 324
M. 26
F. 24
M. 25
F. 17
M. 29
F. 29
M. 27
F. 27
M. 28
F. 23
M. 18
F. 7
M. 27
F. 20
M. 24
F. 38
M. 33
F. 12
M. 29
F. 20
M. 24
F. 20
M. 7
F. 14
M. 8
F. 8
M. 1
F. 1
M. 1
F. 2
M. 1
F. 3
M. 19
F. 19
M. 12
F. 6
M. 24
F. 16
M. 6
F. 3
M. 10
F. 36
M. 7
F. 7
F. 1
F. 2
M. 8
F. 13
M. 13
F. 8
M. 280
F. 288
M. 39
F. 33
M. 36
F. 32

Sex not determined.

Net and No.	Date.	Duration (hrs.)	Centimetres.																																	
			7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35					
O 345	1905. Sept. 5	4	{	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	2	1	2	..	5	3	..	3	2	2	2	1	1	..		
O 346	" 6	4	{	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	1	2	4	2	4	3	1	3	2	1	3	..	2	..			
B(c.) 374††	" 6	2	{	..	..	..	..	..	..	..	..	3	..	1	1	1	..	..	3	2	7	6	5	6	4	1	1	1	..	..	1	1			
B(c.) 375††	" 6	2	{	..	..	..	..	..	..	..	1	2	2	1	..	..	..	..	3	..	1	2	3	1	1	1	1	..	..	..	..	..
O 347	" 6	4	{	..	..	..	..	..	..	..	1	..	..	..	1	1	1	3	7	6	6	7	7	5	6	12	7	3	4	5	2	2	2		
O 348	" 13	2	{	..	..	..	..	..	1	10	16	16	12	13	8	8	1	3	2	2	1	..	..	..	..	..	..	..	..	..	..	..	..
B(c.) 376††	" 13	2	{	1	..	..	2	6	23	30	30	29	21	12	8	9	1	4	4	6	5	4	2	1	..	..	1	1	1	1	..	..	..
B(c.) 377††	" 13	2	{	..	..	..	1	2	34	47	44	38	26	18	18	10	5	6	..	2	2	1	..	..	1	..	..	..	..	..	..	..	..
O 349	" 13	4	{	..	..	..	..	..	..	..	..	3	13	25	32	35	12	7	4	1	5	2	1	..	1	..	..	..	..	..	..	..	..
O 350	" 14	4	{	..	..	..	..	..	..	..	..	3	13	18	20	24	22	13	18	14	9	7	9	4	3	1	1	1	2	1	2	..	..	
O 351	" 14	5	{	..	..	..	..	..	..	..	1	1	5	16	12	13	12	9	10	8	8	9	11	8	6	6	2	..	1	..	..	..	
O 352	" 14	4½	{	..	..	..	..	..	..	..	..	1	1	6	6	6	3	5	7	10	4	3	5	2	5	..	1	..	..	..	..	..
B 378§	" 19	2	{	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 380†	" 20	4	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
B 381	" 21	4	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..
B 382	" 21	4	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
B 384	" 22	5	{	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	4	2	3	1	2	2	4	1	1	1	1	..	..	..	..	..
B 385†	" 26	5	{	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B 386*	" 26	5	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	4	1	..	1	..	..	..	..	..	..	..	..	..	..
B 37	" 27	5	{	..	..	..	..	..	..	..	1	..	..	..	1	..	9	5	5	7	6	10	8	6	1	3	1	..	..	..	..	..	..	..
B 388	" 27	5	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	3	6	3	2	4	2	1	10	..	1	1	..	..	..	..
B 389	" 27	2	{	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..
B 390	" 27	5½	{	..	1	..	..	..	..	1	1	1	..	..	..	1	..	1	..	1	..	..	2	3	2	1	5	5	5	3	4	..	2	5	
B 391	" 27 28	5	{	..	..	..	..	..	..	..	2	..	..	..	..	..	2	1	3	3	3	3	1	7	5	3	3	4	3	3	2	..	..	..
B 392	" 28	2	{	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	2	2	..	4	1	2	3	4	3	3	1	2	..	..	..
B 394	" 29	5	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..
B 395	" 29	5	{
B 396	" 29	4½	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	1	..	1	..	..	..	..
O 354	Oct. 9	4	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
O 356	" 10	5	{
O 357	" 10	4	{
O 358	" 11	5	{	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	1	1	..	1	..	..	..

†† Contents of covering net combined with those of ordinary cod-ends.
 § Accident to net probably did not influence catch.
 † Accident to net which may or may not have influenced catch.

Centimetres.																														Total Measured for each Sex.	Average size (c m.)				
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65			66	67	68	
..	1	M. 28	} 28'4	
..	1	1	2	..	2	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 27	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 31	} 26'4
1	1	1	1	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 36		
1	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	† 47	—
..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	† 21	—
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 70	} 26'2
1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 89		
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 93	} 17'9
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 100	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	† 201	15'9
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 255	} 16'0
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 273	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 141	} 19'8
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 106	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 179	} 22'9
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 198	
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 139	} 24'4
..	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 112	
..	M. 65	} 25'2	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 92	
..	F. 1	—	
..	M. 2	23'0	
..	M. 3	} 24'7	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 1
..	M. 5	} 23'3	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 4
..	M. 23	} 27'2	
1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 13	
..	M. 1	—	
..	M. 8*	} 23'8	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 3*
..	M. 63	} 26'0	
..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 48
..	M. 34	} 29'6	
2	2	..	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 36	
..	M. 4	} 26'4	
..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 4
2	..	1	M. 41	} 30'4	
..	3	3	..	2	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 38
2	1	1	M. 52	} 29'4	
2	..	1	1	1	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 42
2	1	M. 33	} 31'4	
2	1	1	5	2	3	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 57
..	1	M. 5	} 37'4	
..	1	..	..	3	..	..	1	..	..	..	1	2	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 16
..	M. 1	} 39'2
1	1	..	..	1	1	1	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 10
1	..	1	M. 6	} 34'8	
1	..	4	..	1	..	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 14
..	1	1	F. 3	47'7
..	M. 3	} 36'8	
..	..	..	..	1	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 3
..	1	1	3	1	2	..	1	F. 9	49'4
..	1	M. 7	} 34'4	
..	1	..	..	..																												

II. MEASUREMENTS OF PLIACE.

		Centimetres.																				Total Measured for each Sex.	Average size (c.m.).											
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	M. 7	35.6
1	..	..	..	1	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 6	32.4
2	2	1	1	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 19	33.4
2	1	1	1	2	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 33	32.8
2	2	3	2	2	..	1	..	1	1	..	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 28	32.8
..	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 48	35.8
..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 11	34.4
..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 15	39.3
..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 19	38.6
1	1	3	1	3	3	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 18	34.4
..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 12	38.3
..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 7	34.3
3	3	2	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 16	35.1
1	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 34	39.3
6	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 22	35.1
3	3	..	3	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 28	29.4
3	1	1	1	1	1	5	3	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 93	29.4
2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 133	29.0
5	3	1	..	5	3	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 163	29.4
5	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 155	29.4
1	1	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M. 90	29.4
1	1	1	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 116	29.4
2	1	2	..	4	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	F. 1	—

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.			
					Cm. ..	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
XXV 3 O 148	S.E. of Tail end of Dogger Bank. 55° 25' N., 4° 52' E. Net very badly torn.	17	spk. s.	Jan. 5th	Plaice ..	..	..	1	4	..	..	2	..	..	..	7	..	7	..	
		19-21		12.15 a.m.	Lemon Dab..	..	..	2	4	..	..	..	..	..	..	..	6	..	6	..
		23	f.s. sharp	6 hrs., 45 mins.	Sole ..	..	..	7	..	..	..	..	..	..	..	..	7	..	7	..
					Turbot ..	..	..	..	3	..	..	..	..	..	..	..	3	..	3	..
					Brill ..	..	..	..	5	1	..	..	..	..	..	..	6	..	6	..
					Cod	17	39	29	16	8	1	1	..	1	112	122	112	122
					Haddock ..	..	..	..	63	35	15	..	..	..	..	..	113	96	113	96
XXV 4 O 149	East of Tail end of Dogger Bank. 55° 18' N., 5° 17' E.	23	f.s.	Jan. 5th	Plaice ..	..	..	1	5	7	7	..	..	..	..	20	26	20	26	
		24	s. & oz.	noon	Lemon Dab..	..	..	2	6	1	..	..	..	..	..	9	..	9	..	
				6 hrs.	Sole ..	..	..	8	6	..	..	..	..	..	..	14	..	14	..	
					Turbot ..	..	..	..	7	3	1	1	..	..	..	..	12	22	12	22
					Brill..	..	..	..	1	1	2	..	..	..	..	..	4	..	4	..
					Cod ..	..	..	..	..	..	4	2	4	2	2	..	14	60	104 Kg. (44 small)	
					Haddock ..	..	..	..	53	2	1	..	..	..	..	..	56	31	[780	396]
					Ling ..	..	..	..	..	..	..	..	1	1	2	1	5	34	5	34
					Thornback..	..	..	..	..	..	..	..	..	..	..	..	..	..	31	..
			Skate..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..		
XXV 5 O 150	West of Horn Reef Outer. 55° 20' N., 5° 46' E. Net slightly torn.	24	s. & oz.	Jan. 5th	Plaice ..	..	..	4	7	11	3	..	..	..	..	25	28	25	28	
		26	s. & oz.	6.30 p.m.	Lemon Dab .	..	..	..	1	..	..	..	..	..	..	1	..	1	..	
				5 1/2 hrs.	Sole ..	..	..	8	13	..	..	..	..	..	..	21	..	21	..	
					Turbot ..	..	..	..	3	2	..	..	..	..	..	5	..	5	..	
					Brill ..	..	..	..	..	2	..	..	..	..	..	2	..	2	..	
					Cod ..	..	..	..	..	..	1	..	2	4	3	..	10	73	..	104
					Haddock ..	..	..	..	2	48	4	1	..	..	..	..	55	31	[1100	620]
					Whiting ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	45
					Thornback..	..	..	..	..	..	..	..	..	..	..	..	..	..	65	..
			Skate ..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..		
XXV 6 O 151	West part of Horn Reef Outer. 55° 27' N., 6° 18' E.	26	s. & oz.	Jan. 6th	Plaice ..	..	..	3	8	11	2	1	..	..	..	25	27	25	27	
		23	s. & oz.	1 a.m.	Sole ..	..	..	11	10	1	..	..	..	..	..	22	..	22	..	
		21	s. & oz.	6 hrs.	Brill ..	..	..	..	..	1	1	..	..	..	..	2	..	2	..	
					Cod ..	..	..	..	..	..	..	1	4	7	3	..	15	104	..	132
					Haddock ..	..	..	..	101	18	1	..	..	..	..	..	120	58	[600	290]
					Whiting ..	..	..	..	..	..	..	..	..	..	..	..	..	..	130	26
					Thornback..	..	..	..	..	..	..	..	..	..	..	..	..	..	108	..
			Skate..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..		
XXV 7 O 152	Horn Reef Outer .. 55° 32' N., 6° 30' E.	21	s. & oz.	Jan. 6th	Plaice ..	..	..	2	4	11	5	..	..	..	..	22	26	22	26	
		22		7.30 a.m.	Lemon Dab .	..	..	1	..	..	..	..	..	..	..	1	..	1	..	
		22	s. & oz.	5 1/2 hrs.	Sole ..	..	..	10	11	1	..	..	..	..	..	22	..	22	..	
					Turbot ..	..	..	..	5	2	..	..	..	..	..	7	..	7	..	
					Brill ..	..	..	..	3	1	..	..	..	..	..	4	..	4	..	
					Cod ..	..	..	..	..	..	..	1	3	7	3	..	14	90	65	128
					Haddock ..	..	..	..	4	56	3	1	..	..	..	..	64	28	[389	178]
					Whiting ..	..	..	..	..	..	..	..	..	..	..	..	..	..	63	20
					Ling ..	..	..	..	..	..	..	..	..	..	1	1	8	1	8	..
			Thornback..	..	..	..	..	..	..	..	..	..	..	..	..	..	80	..		
			Skate..	..	..	..	..	..	..	..	..	..	1	1	20	1	20	..		
XXV 8 O 153	Horn Reef Outer .. 55° 34' N., 6° 34' E.	22	s. & oz.	Jan. 6th	Plaice ..	..	..	2	8	..	..	..	..	..	..	10	12	10	12	
		22		1.30 p.m.	Sole ..	..	..	7	7	1	..	..	..	..	..	15	..	15	..	
		22	s. & oz.	6 hrs.	Turbot ..	..	..	..	4	3	..	..	..	..	..	7	..	7	..	
					Brill ..	..	..	..	2	..	..	..	..	..	..	2	..	2	..	
					Cod ..	..	..	..	..	6	9	6	9	8	7	1	46	210	..	249
					Haddock ..	..	..	..	1	47	6	2	..	..	..	..	56	30	[826]	444
			Whiting ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12		
			Thornback..	..	..	..	..	..	..	..	..	..	..	..	..	..	80	..		

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.					
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.			
XXV 9 O 154	Horn Reef Outer .. 55° 36' N., 6° 34' E...	22	s. & oz.	Jan. 6th & 7th 8 p.m. (6th) 5½ hrs.	Plaice ..	..	..	3	5	6	2	..	..	..	..	..	16	..	16	..	
		22			Sole ..	..	..	..	11	8	1	1	..	..	..	..	..	21	..	21	..
		22	s. & oz.		Turbot ..	..	..	..	..	1	2	..	1	..	..	..	..	4	..	4	..
					Brill ..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Cod	190	
					Haddock	[1380	690]
					Whiting	3 Baskets	
					Ling	1	..
					Thornback	70	..
		Skate ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..	
XXV 10 O 155	Horn Reef Outer .. 55° 38' N., 6° 37' E...	22	s. & oz.	Jan. 7th 2 a.m. 5½ hrs.	Plaice ..	..	..	3	10	5	2	2	..	..	..	..	22	..	22	..	
		22			Sole ..	..	..	..	13	14	1	..	..	..	..	..	..	28	..	28	..
		20	f.s. & oz.		Turbot ..	..	..	..	..	7	2	..	..	..	..	..	..	9	..	9	..
					Brill ..	..	..	..	..	..	2	..	..	..	..	..	..	2	..	2	..
					Cod	2 Baskets (small) + 4 large fish.	
					Haddock	3	56	2	..	1	62	30	..	[612	300]	
					Whiting	2 Baskets	
					Thornback	130	..
					Skate	many small	3
XXV 11 O 156	Borkum Outer .. 54° 17' N., 6° 41' E...	22	f.d.s.	Jan. 8th 11.45 a.m. 4 hrs.	Plaice ..	..	..	3	21	13	1	..	..	..	..	38	26	38	26		
		22			Sole ..	..	..	..	4	1	1	..	..	..	..	..	6	..	6	..	
		20½	f.s. & oz.		Turbot ..	..	..	..	1	3	1	..	1	..	..	..	6	..	6	..	
					Brill ..	..	..	..	..	2	..	..	..	..	..	..	..	2	..	2	..
					Cod ..	..	..	..	..	..	..	..	2	..	1	..	..	3	10	3	10
					Haddock ..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	1	..
					Thornback	12	..	
XXV 12 O 157	Borkum Outer .. 54° 15' N., 6° 51' E...	20½	f.s. & oz.	Jan. 8th 4 p.m. 5 hrs.	Plaice ..	..	..	..	29	25	2	..	..	..	..	56	42	56	42		
		21			Sole ..	..	..	..	8	7	1	..	..	..	..	..	16	..	16	..	
		22	f.s. & m.		Turbot ..	..	..	..	..	2	..	..	..	..	..	..	2	..	2	..	
					Brill ..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..	
					Cod	7	38	
					Haddock ..	..	..	..	..	2	7	8	4	..	..	..	..	21	38	21	38
XXV 14 B 100	Borkum Outer .. 54° 16' N., 6° 13' E.	21	f.s. & oz.	Jan. 9th 7 a.m. 4½ hrs.	Plaice ..	..	..	..	5	18	16	1	..	..	..	40	30	40	30		
		21			Dab ..	..	..	..	4	2	..	..	..	..	..	..	6	..	6	..	
		21	f.s. & oz.		Lemon Dab ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..	
					Sole ..	..	..	..	..	5	2	..	..	..	..	..	..	7	..	7	..
					Turbot ..	..	..	..	..	1	3	1	..	..	..	..	..	5	..	5	..
					Brill ..	..	..	..	..	..	1	1	1	..	..	..	..	3	..	3	..
					Haddock ..	..	..	..	..	..	2	..	1	..	..	..	..	3	7	3	7
		Thornback ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4 (Small)		
XXVI 2 B 101	North-East of Blake-ney Overfall. 53° 0½' N., 1° 0½' E.	10	c.s. & s.h.	Jan. 19th 3 p.m. 2 hrs.	Plaice ..	..	..	..	1	..	1	..	..	..	..	2	..	2	..		
		10	c.s.		Dab ..	..	..	..	48	28	1	..	..	..	..	..	77	7	77	7	
					Sole ..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Brill ..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Cod ..	..	..	..	..	7	..	..	..	..	..	..	..	7	..	7	..
					Pout ..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Thornback ..	..	..	..	..	4	5	8	4	4	3	..	..	28	51	28	51
XXVII 1 B 103	Teignmouth Bay .. 50° 29' N., 3° 28' E. Small hole in square and in small meshed net over cod end.	6	s. & m.	Feb 26th 9.15 a.m. 3 hrs.	Plaice ..	..	..	1	10	2	..	..	..	..	..	13	..	13	..		
		8			Flounder ..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..	
		10	s.		Sprat ..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..	
					Thornback ..	1	24	18	2	1	1	..	..	..	..	..	47	..	47	..	
					Buffoon ..	..	..	..	..	1	1	..	..	..	..	..	..	2	..	2	..
		Lesser Spotted Dog.	..	..	..	..	..	1	2	1	..	..	..	..	4	..	4	..			

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.		
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.
XXVII 2 B 104	Off The Ledge ..	14	s. & sh.	Feb. 26th	John Dory ..	1											1		1	
	50° 29 3/4' N., 3° 19 3/4' W.	14		1.45 p.m.	Thornback ..				1								1		1	
	Had a "pull out," net very badly torn.	14	s. & sh.	1 hr.	Lesser Spotted Dog.						5						5		5	
XXVII 4 O 150	Inside Eastern Scruff	17	f.s.	Feb. 27th	Plaice ..	13	52	27	2	2							96	23	96	23
	50° 33 1/4' N., 2° 50 1/4' W.	20		5 p.m.	Dab ..	63	3										66	3	66	3
		23	spk.s.	2 1/2 hrs.	Sole ..		3	8	1								12	5	12	5
					Turbot ..						1						1	5	1	5
					Flounder ..		1	2									3		3	
					Whiting ..		26	1									27		27	
					Pout ..		2										2		2	
					Herring ..		1	1									2		2	
					Conger ..								2				2		2	
					Homelyn ..	13	16	1		3							33		33	
					Thornback ..	3	10	4	3	2	8	4					34	73	34	73
					Skate ..			1									1		1	
					Blonde ..					1							1		1	
				Lesser Spotted Dog.														128		
				Angel ..					1							1		1		
				Angler ..					1							1		1		
				Smoothhound ..														1		
XXVIII 2 B 107	Lynn Deep ..	16	m.ross	Mar. 10th	Plaice ..	1											1		1	
	52° 59' N., 0° 20' E.	12	m.ross	7.15 a.m.	Flounder ..	1											1		1	
				1 hr.	Cod ..		11	6			1						18		18	
					Whiting ..		6										6		6	
					Pout ..		1	2									3		3	
					Thornback ..		5	1									6		6	
					Homelyn ..		2										2		2	
				Skate ..		2										2		2		
XXVIII 4 B 108	Lynn Deep ..	12	s.	Mar. 10th	Plaice ..	1	1										2		2	
	52° 57 1/2' N., 0° 17 1/2' E.	10	m.	8.45 a.m.	Dab ..	2											2		2	
				1 hr.	Sole ..	1											1		1	
					Flounder ..	1											1		1	
					Cod ..	8											8		8	
					Whiting ..	5			1								6		6	
					Thornback ..	3	3										6		6	
				Homelyn ..	2											2		2		
				Skate ..		5										5		5		
XXVIII 5 O 160	Eastern part of S.W. Patch of Dogger Bank.	9	f.s.	Mar. 11th	Plaice ..		26	18	6	2							52		52	
	54° 32 1/2' N., 2° 28' E.	10	f.s.	7.30 a.m.	Dab ..		15	14	2								31		31	
	Belly slightly torn.	13	f.s.	6 hrs.	Cod ..								1				1		1	
					Whiting ..		2										2		2	
					Ling ..			1									1		1	
				Herring ..		3	1									4		4		
XXVIII 7 O 161	Dogger Bank, East of S.W. Patch.	14	f.s. & sh.	Mar. 11th	Plaice ..		18	35	21	5	1						80	51	80	51
	54° 33 1/2' N., 2° 49 1/2' E.	16	f.s.	2.45 p.m.	Dab ..	4	66	30	5								105	9	105	9
		17	f.s.	7 hrs.	Lemon Dab ..			1									1		1	
					Turbot ..			2	2								4		4	
					Cod ..					2	3	1	1				7	24	7	24
				Haddock ..			58	4								62	27	[310	136]	
				Whiting ..		8	23	4								35	5	35	5	
XXVIII 9 O 162	Dogger Bank, East of S.W. Patch.	17	f.s.	Mar. 11th & 12th	Plaice ..		24	48	23	5							100	59	100	59
	54° 29 1/2' N., 2° 53 1/2' E.	16	f.s.	11 p.m. (11th)	Dab ..		178	37	5								220		220	
		16 1/2	f.s.	6 1/2 hrs.	Lemon Dab ..		1										1		1	
					Turbot ..			1	1								2		2	
				Cod ..				1	5	5	3					14	38	14	38	

TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.					
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.			
XXVIII 9 O 162	Dogger Bank, East of S.W. Patch—cont.	17	f.s.	Mar. 11th & 12th. 11 p.m. (11th). 6½ hrs.	Haddock ..	..	..	..	95	20	..	1	..	..	..	..	116	55	[391]	[185]		
		16	f.s.		Whiting ..	..	1	32	4	..	..	..	..	..	..	..	..	37	..	37	..	
		18½	f.s.		Grey Gurnard ..	..	..	2	..	..	..	..	..	..	..	..	..	..	2	..	2	..
					Mackerel	2	2	..	2	..
XXVIII 10 O 163	Dogger Bank, East of S.W. Patch. 54° 32' N., 2° 49' E. Net slightly torn.	16½	f.s.	Mar. 12th 6 a.m. 2½ hrs.	Plaice ..	..	..	4	13	3	4	..	..	..	..	..	24	..	24	..		
		16½	f.s.		Dab ..	..	3	27	12	..	..	..	..	..	..	..	..	42	..	42	..	
		..	..		Turbot ..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
		..	..		Cod ..	..	..	..	..	..	1	1	..	..	..	..	..	..	2	..	2	..
		..	..		Haddock ..	..	..	..	1	19	1	..	..	..	..	..	..	..	21	..	21	..
		..	..		Whiting ..	..	..	2	3	..	..	..	..	..	..	..	..	..	5	..	5	..
		..	..		Mackerel ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
XXVIII 11 O 164	Eastern shoal of Dogger Bank. 54° 36' N., 2° 32½' E. Trawl slightly torn.	13	f.s.	Mar. 12th 9.20 a.m. 5 hrs. 40 mins.	Plaice ..	..	..	21	17	11	5	..	..	..	..	..	54	31	54	31		
		11	f.s.		Dab ..	..	..	39	8	3	..	..	..	..	..	..	..	50	..	50	..	
		10½	f.s.		Cod ..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Haddock	6	6	..	6	..
					Whiting	1	3	4	..	4	..
Sprat ..	..			..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..		
XXVIII 12 O 165	West of Eastern shoal of Dogger Bank. 54° 40½' N., 2° 17½' E.	10½	f.l.s.	Mar. 12th 3.35 p.m. 2 hrs.	Plaice ..	..	..	2	7	1	3	1	..	..	..	..	14	..	14	..		
		10½	f.l.s.		Dab ..	..	..	4	1	..	..	..	..	..	..	..	..	5	..	5	..	
		..	..		Cod ..	..	..	..	..	1	1	1	..	..	..	..	..	..	3	..	3	..
		..	..		Whiting ..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
XXVIII 14 O 166	N.W. of Eastern shoal of Dogger Bank. 54° 48½' N., 2° 24½' E. Net badly torn.	10½	f.l.s.	Mar. 12th 6 p.m. 6 hrs.	Plaice ..	..	..	9	18	8	5	2	..	..	..	..	42	..	42	..		
		12	f.s.		Dab ..	..	1	19	35	13	..	..	..	..	..	..	..	68	..	68	..	
		13½	f.s.		Sole ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
					Cod ..	..	..	..	..	..	5	6	2	..	..	1	..	..	14	48	14	48
					Haddock	50	7	57	..	[285]	..
					Whiting	14	2	16	..	16	..
XXVIII 15 B 109	Leman Ground 53° 18½' N., 2° 34½' E.	16	f.d.s.	Mar. 14th 7 a.m. 5 hrs.	Plaice ..	..	..	8	7	3	1	..	..	..	..	..	19	..	19	..		
		16	f.d.s.		Dab ..	..	..	92	35	2	..	..	..	..	..	..	..	129	..	129	..	
		14½	f.s.		Turbot ..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Flounder	1	1	..	1	..
					Whiting	5	4	9	..	9	..
					Sprat	2	2	..	2	..
					Thornback ..	3	1	5	4	..	2	15	..	15	..
					Skate	1	1	..	1	..
XXVIII 17 B 110	Leman Ground 53° 23½' N., 2° 28' E.	14½	f.s.	Mar. 14th 1 p.m. 5 hrs.	Plaice ..	..	1	10	5	5	..	..	..	..	..	..	21	..	21	..		
		15	f.d.s.		Dab ..	..	..	89	21	1	..	..	..	..	..	..	..	111	..	111	..	
		16	f.d.s.		Flounder ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
					Cod ..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..	2	..
					Whiting	2	2	4	..	4	..
					Grey Gurnard	1	6	1	8	..	8	..
					Sprat	2	2	..	2	..
					Thornback ..	1	..	1	2	..	2	..
XXVIII 18 B 111	Leman Ground 53° 24½' N., 2° 46½' E.	16	f.d.s.	Mar. 14th 6.30 p.m. 4 hrs.	Plaice ..	..	1	5	4	..	..	..	..	..	..	..	10	..	10	..		
		16	f.d.s.		Dab ..	..	..	193	15	1	..	..	..	..	..	..	..	209	..	209	..	
		..	..		Sole ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..	
		..	..		Cod ..	..	..	..	..	..	..	1	..	..	2	..	..	3	..	3	..	
		..	..		Whiting ..	..	..	22	6	..	..	..	..	..	..	..	..	..	28	..	28	..
		..	..		Grey Gurnard ..	..	..	9	..	..	..	..	..	..	..	..	..	..	9	..	9	..
		..	..		Thornback ..	1	1	2	7	..	..	..	..	..	..	..	..	..	11	..	11	..
..	..	Skate ..	..	..	..	2	2	..	..	..	..	..	..	..	..	4	..	4	..			

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.		
					Om. ..	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.	
XXVIII 19 B 112	East of Leman Ground. 53° 17 $\frac{1}{2}$ ' N., 3° 6' E.	16	f.d.s.	Mar. 15th	Plaice	3	6	1	..	..	..	..	..	..	..	10	..	10	..
		16	f.d.s.	6.45 a.m.	Dab.. .. .	147	26	1	174	..	174	..
				2 $\frac{1}{2}$ hrs.	Flounder	2	2	..	2	..
					Whiting	1	1	..	1	..
					Grey Gurnard	1	1	..	1	..
			Spur Dog .. .. .	..	..	..	..	2	3	..	..	..	..	..	..	5	..	5	..
XXVIII 21 B 113	Broad Fourteens .. 52° 40 $\frac{1}{2}$ ' N., 3° 58 $\frac{1}{2}$ ' E.	16	f.g.s.	Mar. 15th	Plaice	5	67	11	..	..	..	..	..	..	..	83	..	83	..
		12 $\frac{1}{2}$	f.g.s.	3 p.m.	Dab.. .. .	48	8	..	..	..	..	..	..	..	..	56	..	56	..
				6 hrs.	Sole .. .. .	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Flounder .. .. .	..	..	1	1	..	..	..	..	..	..	2	..	2	..
XXVIII 23 B 114	West of Ymuiden .. 52° 30 $\frac{1}{2}$ ' N., 4° 12' E.	12 $\frac{1}{2}$	f.g.s.	Mar. 15th	Plaice	91	72	..	..	..	..	..	..	..	..	163	..	163	..
		11	f.g.s.	9.30 p.m. (15th)	Dab	279	159	3	..	..	..	..	..	..	..	441	..	[882]	..
		10	f.g.s.	7 hrs.	Flounder	1	4	1	..	..	..	..	..	..	..	6	..	6	..
XXVIII 24 B 115	Off Ymuiden 52° 23 $\frac{1}{2}$ ' N., 4° 29 $\frac{1}{2}$ ' E.	10	f.s.	Mar. 16th	Plaice	346	70	1	..	..	..	..	..	..	..	417	..	417	..
		9 $\frac{1}{2}$	f.s.	5 a.m.	Dab	303	163	1	..	..	..	..	..	..	..	467	..	[934]	..
		8 $\frac{1}{2}$	f.s.	5 $\frac{1}{2}$ hrs.	Flounder	11	15	..	..	..	..	..	..	..	..	26	..	26	..
			Sprat	2	3	..	..	..	..	..	..	..	..	..	5	..	5	..	
XXVIII 26 B 116	Off Ymuiden 52° 32 $\frac{1}{2}$ ' N., 4° 24 $\frac{1}{2}$ ' E.	8 $\frac{1}{2}$	f.s.	Mar. 16th	Plaice	291	51	..	..	..	..	..	..	..	..	342	..	342	..
		9	f.s.	11 a.m.	Dab	89	60	..	..	..	..	..	..	..	..	149	..	149	..
				3 hrs.	Flounder	6	7	..	..	..	..	..	..	..	..	13	..	13	..
XXVIII 27 B 117	Broad Fourteens .. 52° 38 $\frac{1}{2}$ ' N., 4° 2 $\frac{1}{2}$ ' E.	14	f.s.	Mar. 16th	Plaice	6	53	11	1	..	..	..	..	..	..	71	..	71	..
		14	f.s.	4 p.m.	Dab	35	14	..	..	..	..	..	..	..	..	49	..	49	..
				2 $\frac{1}{2}$ hrs.	Flounder .. .. .	..	..	2	..	..	..	..	..	..	..	2	..	2	..
					Cod .. .. .	..	..	..	..	..	..	1	..	..	..	1	..	1	..
			Whiting .. .. .	..	..	1	..	..	..	..	..	..	..	1	..	1	..		
XXIX 1 O 167	Off Ymuiden 52° 29 $\frac{1}{2}$ ' N., 4° 19 $\frac{1}{2}$ ' E.	10 $\frac{1}{2}$	f.g.s.	Mar. 22nd	Plaice *	48	15	..	..	..	..	..	..	..	..	63	..	63	..
		9 $\frac{1}{2}$	f.g.s.	6 a.m. 1 $\frac{1}{2}$ hrs.	(No other fish recorded.)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
XXIX 2 O 168	Off Egmond 52° 37 $\frac{1}{2}$ ' N., 4° 23 $\frac{1}{2}$ ' E.	9 $\frac{1}{2}$	f.g.s.	Mar. 22nd	Plaice *	35	7	..	..	..	..	..	..	..	..	42	..	42	..
		9	f.s.	8 a.m. 2 hrs.	(No other fish recorded.)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
XXIX 3 O 169	Off Egmond 52° 33 $\frac{1}{2}$ ' N., 4° 22 $\frac{1}{2}$ ' E.	9	f.s.	Mar. 22nd	Plaice *	100	21	..	..	..	..	..	..	..	..	121	..	121	..
		9	f.s.	10.15 a.m. 2 hrs.	Brill (No other fish recorded.)	..	..	1	..	..	..	..	..	..	..	1	..	1	..
XXIX 4 O 170	West of Ymuiden .. 52° 29' N., 4° 15 $\frac{1}{2}$ ' E.	9	f.s.	Mar. 22nd	Plaice *	73	34	1	..	..	..	..	..	..	..	108	..	108	..
		11	f.s.	12.30 p.m. 2 hrs.	Dab (No other fish recorded.)	56	46	..	..	..	..	..	..	..	..	102	..	102	..
XXIX 5 O 171	West of Ymuiden .. 52° 27 $\frac{1}{2}$ ' N., 4° 8 $\frac{1}{2}$ ' E.	11	f.s.	Mar. 22nd	Plaice *	25	35	..	..	..	..	..	..	..	..	60	..	60	..
		11 $\frac{1}{2}$	f.s.	2.45 p.m. 1 $\frac{1}{2}$ hrs.	(No other fish recorded.)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
XXIX 7 O 172	N.E. of S.W. Patch of Dogger Bank. 54° 34 $\frac{1}{2}$ ' N., 2° 33 $\frac{1}{2}$ ' E. Turn in fore quarter.	11	f.s. & sh.	Mar. 24th	Plaice	9	12	1	..	1	..	..	..	..	..	23	..	23	..
		9	f.s.	4 a.m.	Dab	24	16	3	..	..	..	..	..	..	..	43	..	43	..
		11	f.s. & sh.	5 hrs.	Lemon Dab.. .. .	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Cod .. .. .	..	..	..	..	1	5	..	..	..	..	6	..	6	..
					Haddock .. .. .	..	..	..	19	10	1	..	..	..	..	30	..	30	..
					Whiting .. .. .	..	1	10	2	..	..	..	..	..	..	13	..	13	..
					Grey Gurnard .. .. .	..	..	1	..	..	..	..	..	..	..	1	..	1	..
			Herring .. .. .	..	1	..	..	..	..	..	..	..	..	1	..	1	..		

* Samples of plaice collected for transplantation, probably not representative; total catch not recorded.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.		Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.			
						0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
XXIX 8 O 173	Eastern Shoal of Dogger Bank. 54° 37' N., 2° 45' E.	11	f.s. & sh.	Mar. 24th	Plaice			2	12	5							19		19			
		14 $\frac{1}{2}$	f.s.	9.30 a.m.	Cod					1	9	7						17		17		
				5 hrs.	Haddock				1	6	2								9		9	
					Whiting				9	1									10		10	
					Grey Gurnard				1										1		1	
					Sprat		1												1		1	
XXIX 9 O 174	S.W. of Eastern Shoal of Dogger Bank. 54° 32 $\frac{1}{2}$ ' N., 2° 55 $\frac{1}{2}$ ' E.	14 $\frac{1}{2}$	f.s.	Mar. 24th	Plaice			5	22	6	2						35		35			
		15	f.s.	3 p.m.	Dab			6	9	3								18		18		
				3 hrs.	Cod				1		3	5	1	1					11		11	
					Haddock				1	54	5								60		60	
					Whiting				12	1									13		13	
					Starry Ray.. .. .				1										1		1	
XXIX 10 O 175	Lower Scruff.. .. 55° 11 $\frac{1}{2}$ ' N., 4° 27 $\frac{1}{2}$ ' E.	24	f.s.	Mar. 26th	Plaice			18	10	1							29		29			
		24	f.s.	4 a.m.	Dab			74	21									95		95		
				5 hrs.	Long Rough Dab.		1	4											5		5	
					Cod			3	3	7		2	2	2	5				24		24	
					Haddock			7	54		1								62		[186]	
					Whiting		1	169	21	1									192		192	
					Grey Gurnard			2	1										3		3	
					Starry Ray.. .. .			2	1										3		3	
XXIX 12 O 176	West part of Horn Reef Outer. 55° 26 $\frac{1}{2}$ ' N., 6° 17' E.	24	f.s.	Mar. 26th & 27th	Plaice			3	8	7	1						19		19			
		23	f.s.	7 p.m. (26th)	Dab													1 small Basket				
		22	f.s.	(26th)	Sole			3	5									8		8		
				6 hrs.	Turbot				4	3	1								8		8	
					Brill				1										1		1	
					Cod					1	1	2			6	2			12		12	
					Haddock			2	78	3									83		83	
					Whiting																Few	
					Grey Gurnard				1										1		1	
					Thornback			1		1	4								6		6	
XXIX 13 O 177	Horn Reef Outer .. 55° 31 $\frac{1}{2}$ ' N., 6° 27 $\frac{1}{2}$ ' E.	22	f.s.	Mar. 27th	Plaice			4	8	5	1						18		18			
		23	f.s.	1.30 a.m.	Dab															$\frac{1}{2}$ Basket		
		23	f.s.	6 hrs.	Sole			2	1									3		3		
					Turbot				1										1		1	
					Brill				1	1									2		2	
					Flounder				1										1		1	
					Cod						1	2	5	3	5	1			17		17	
					Haddock				21		1								22		22	
					Whiting				1										1		1	
					Ling										1				1		1	
					Thornback				1	3	1								5		5	
					Starry Ray.. .. .			1											1		1	
			Skate.. .. .				1	1									2		2			
XXIX 14 O 178	Horn Reef Outer .. 55° 32 $\frac{1}{2}$ ' N., 6° 34 $\frac{1}{2}$ ' E.	23	f.s.	Mar. 27th	Plaice			6	3	5	1						15		15			
		22	f.s.	8 a.m.	Dab															$\frac{1}{2}$ Basket (small)		
		22	f.s. & oz.	7 $\frac{1}{2}$ hrs.	Sole			4	2									6		6		
					Turbot				6	4	1	2							13		13	
					Cod				1	1		1					1		4		4	
					Haddock				10	69	1								80		[320]	
					Thornback						2								2		2	
					Starry Ray.. .. .				1										1		1	
			Skate.. .. .					2									2		2			

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.				
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
XXIX 15 O 179	Horn Reef Outer .. 55° 34' N., 6° 34½' E.	22	f.s. & oz.	Mar. 27th	Plaice ..	..	..	8	5	2	1	..	..	..	..	..	16	..	16	..
		23	f.s.	4 p.m.	Dab	1 Basket (small).	2	
		23	f.s.	7½ hrs.	Lemon Dab..	2	2	
					Sole	1	3	2	6	..	6	..	
					Turbot	2	2	4	..	4	..	
					Cod	1	1	..	1	4	3	4	4	..	18	..	18	..	
					Haddock	9	60	1	70	..	[1050]	..	
					Whiting	½ Basket.	..
					Coalfish	1	..	1	..	1	..	
					Grey Gurnard	3	3	..	3	..	
					Herring	1	1	..	1	..	
					Thornback..	2	1	1	4	..	4	..	
			Skate..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..	
XXIX 16 O 180	Horn Reef Outer .. 55° 35¼' N., 6° 33' E.	23	f.s.	Mar. 28th	Plaice ..	..	..	7	12	2	..	..	..	..	..	..	21	..	21	..
		23	f.s.	12.5 a.m.	Dab	1 Basket (small).	2	
		22	f.s.	6 hrs. 55 mins.	Sole ..	..	..	..	2	..	..	..	..	..	..	..	2	..	2	..
					Turbot	1	1	2	..	2	..	
					Cod ..	..	..	..	1	1	..	4	5	4	1	..	16	..	16	..
					Haddock ..	..	..	..	1	53	7	1	..	..	..	..	62	..	[900]	..
					Whiting	¾ Basket (small).	1	
					Catfish ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Thornback .	..	..	..	3	1	..	..	..	..	..	..	4	..	4	..
					Skate..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Starry Ray..	..	..	..	2	..	..	..	..	..	..	..	2	..	2	..
		XXIX 17 O 181	Horn Reef Outer .. 55° 40¼' N., 6° 33½' E.	22	f.s.	Mar. 28th	Plaice	3	5	2	3	13	..	13	..
22	f.s. & oz.			7.30 a.m.	Dab..	½ Basket.	..	
22½	f.s. & oz.			7½ hrs.	Sole ..	..	..	..	2	1	..	..	..	..	..	..	3	..	3	..
					Turbot ..	..	..	..	3	4	..	..	..	..	..	..	7	..	7	..
					Cod ..	..	..	..	1	..	1	..	1	4	..	..	7	..	7	..
					Haddock ..	..	..	..	7	62	2	..	..	..	..	..	71	..	[375]	..
					Whiting	Few	..	
					Coalfish ..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..
					Ling ..	..	..	..	..	..	..	1	..	..	..	..	1	..	1	..
					Thornback ..	..	..	..	2	2	2	..	..	..	..	..	6	..	6	..
			Starry Ray..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..		
XXIX 18 O 182	North West of Horn Reef. 55° 45¼' N., 6° 37' E.	22½	f.s. & oz.	Mar. 28th	Plaice ..	..	..	1	6	6	4	1	..	..	..	..	18	..	18	..
		22	f.s. & oz.	3.15 p.m.	Dab	½ Basket	..	
		21	f.s. & oz.	6½ hrs.	Lemon Dab..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Sole ..	..	..	..	3	2	1	..	..	..	..	..	6	..	6	..
					Turbot ..	..	..	..	2	1	..	..	..	..	..	..	3	..	3	..
					Cod ..	..	..	..	2	1	1	4	2	2	2	1	15	..	15	..
					Haddock ..	..	..	..	8	45	3	..	..	..	..	..	56	..	[350]	..
					Whiting	½ Basket	..	
					Ling ..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..
					Thornback ..	..	..	..	3	5	1	..	..	..	..	..	9	..	9	..
			Starry Ray..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..		
XXIX 19 O 183	Dogger Bank, East of S.W. Patch. 54° 33½' N., 2° 37½' E.	10½	f.s.	Mar. 29th to 30th.	Plaice ..	..	..	18	32	11	1	..	..	..	..	..	62	..	62	..
		10	f.s.	9 p.m.	Dab	½ Basket	..	
		11	f.s.	(29th) 6 hrs.	Lemon Dab..	..	..	..	1	1	..	..	..	..	..	..	2	..	2	..
					Turbot ..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..
					Brill ..	..	..	..	1	1	..	..	..	..	..	..	2	..	2	..
					Cod ..	..	..	..	1	..	9	10	2	..	..	..	22	..	22	..
					Haddock ..	..	..	..	1	75	29	2	1	..	..	..	108	..	[710]	..
					Whiting	½ Basket	..	
			Grey Gurnard ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..		

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.		Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.			
						Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.	
XXIX 20 O 184	Dogger Bank, East of S.W. Patch. 54° 26 $\frac{1}{2}$ ' N., 2° 36 $\frac{1}{2}$ ' E.	11	f.s.	Mar. 30th	Plaice .. ..	..	..	12	27	10	1	..	..	..	..	..	50	..	50	..		
		12	f.s.	3.45 a.m.	Dab .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1/2 Basket	
		14	f.s.	5 $\frac{1}{4}$ hrs.	Turbot .. ..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	1	..	
					Cod .. ..	..	..	..	..	..	..	3	6	1	..	..	..	..	10	..	10	..
					Haddock .. ..	..	..	..	42	6	..	..	..	..	..	..	..	..	48	..	[150]	..
					Whiting .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1/2 Basket
					Grey Gurnard .. ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
XXIX 21 O 185	Dogger Bank, S.E. of S.W. Patch. 54° 26 $\frac{1}{2}$ ' N., 2° 36 $\frac{1}{2}$ ' E.	14	f.s.	Mar. 30th	Plaice .. ..	..	..	12	22	7	1	..	..	..	..	..	42	..	42	..		
		10	f.s.	9.45 a.m.	Dab .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1/2 Basket	
		10	f.s.	4 $\frac{1}{4}$ hrs.	Cod .. ..	..	..	..	..	2	..	..	..	1	..	..	..	3	..	3	..	
					Haddock .. ..	..	..	..	11	3	..	..	..	..	..	..	..	..	14	..	14	..
					Whiting .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1/2 Basket
					Coalfish .. ..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Grey Gurnard .. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
XXX 1 B 118	Inside Protector Overfalls. 53° 21 $\frac{1}{2}$ ' N., 2° 23 $\frac{1}{2}$ ' E. Square torn.	8 $\frac{1}{2}$	s.spk.	Apr. 8th	Dab .. ..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..		
		7 $\frac{1}{2}$	c.s.	4.30 p.m.	Sole .. ..	..	..	7	1	..	..	..	..	..	..	..	..	8	..	8	..	
				1 hr.	Brill .. ..	..	..	..	1	1	..	..	..	..	..	..	..	..	2	..	2	..
					Cod .. ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
					Thornback .. ..	..	..	3	1	..	..	..	..	..	..	..	..	..	4	..	4	..
					Homelyn .. ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
XXX 3 B 119	Off Trusthorpe .. 53° 20 $\frac{1}{2}$ ' N., 0° 23 $\frac{1}{2}$ ' E.	7 $\frac{1}{2}$	f.s.	Apr. 8th	Plaice .. ..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..		
		7 $\frac{1}{2}$	c.s.	6.45 a.m.	Sole .. ..	..	..	11	4	..	..	..	..	..	..	..	..	15	..	15	..	
				2 hrs.	Turbot .. ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
					Brill .. ..	..	..	..	2	2	..	..	..	..	..	..	..	..	4	..	4	..
					Cod .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Thornback .. ..	..	..	5	3	4	..	..	..	..	..	..	..	..	12	..	12	..
					Homelyn .. ..	..	..	5	..	..	..	..	..	..	..	..	..	..	5	..	5	..
					Skate.. ..	..	..	3	..	1	..	..	..	..	..	..	..	..	4	..	4	..
XXX 4 B 120	Off Mablethorpe .. 53° 21 $\frac{1}{2}$ ' N., 0° 22 $\frac{1}{2}$ ' E.	7 $\frac{1}{2}$	gvl.	Apr. 9th	Plaice .. ..	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..		
		8	d.s.	9.10 a.m.	Dab .. ..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..	
				2 hrs.	Sole .. ..	..	..	36	2	..	..	..	..	..	..	..	..	38	4 $\frac{1}{2}$	38	4 $\frac{1}{2}$	
					Brill .. ..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Flounder .. ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
					Pout .. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Thornback .. ..	..	1	1	2	..	..	..	..	..	..	..	..	..	4	..	4	..
XXX 6 B 121	Off Mablethorpe .. 53° 21 $\frac{1}{2}$ ' N., 0° 23 $\frac{1}{2}$ ' E.	8	d.s. & sb.	Apr. 9th	Dab .. ..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..		
		8		11.45 a.m.	Lemon Dab .. ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..	
		8 $\frac{1}{2}$	d.s. & sb.	4 hrs.	Sole .. ..	..	1	47	6	2	..	..	..	..	..	..	..	56	11	56	11	
					Brill .. ..	..	..	..	2	8	..	..	..	..	..	..	..	..	11	18	11	18
					Cod .. ..	..	2	1	..	..	..	1	..	..	..	..	..	..	4	..	4	..
					Pout .. ..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Thornback	1	5	3	7	1	..	..	..	..	..	..	..	..	17	..	17	..
XXX 10 B 122	Bridlington Bay .. 53° 56 $\frac{1}{2}$ ' N., 0° 8' W. Fore wing badly torn.	5 $\frac{1}{2}$	f.g.s.	Apr. 11th	Plaice .. ..	..	72	48	..	..	..	..	..	..	..	..	120	..	120	..		
		7 $\frac{1}{2}$	gvl.	9.30 a.m.	Dab .. ..	..	16	11	2	..	..	..	..	..	..	..	..	29	..	29	..	
				1 $\frac{1}{4}$ hrs.	Sole .. ..	..	..	1	..	1	..	..	..	..	..	..	..	2	..	2	..	
					Turbot .. ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
					Cod .. ..	..	..	..	2	..	1	1	..	..	..	..	..	..	4	..	4	..
XXX 11 B 123	Bridlington Bay .. 53° 59 $\frac{1}{2}$ ' N., 0° 9 $\frac{1}{2}$ ' W. Ground rope parted, net badly torn.	5 $\frac{1}{2}$	d.s.	Apr. 11th	Plaice .. ..	..	36	136	1	..	..	..	..	..	..	..	223	..	223	..		
		7 $\frac{1}{2}$	d.s.gvl.	12.30 p.m.	Dab .. ..	..	32	11	..	..	..	..	..	..	..	..	..	43	..	43	..	
				1 $\frac{1}{4}$ hrs.	Thornback .. ..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.	
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.
XXX 16 B 124	Bridlington Bay .. 54° 14' N., 0° 10 1/2' W.	5 5 1/2 5	f.g.s. f.g.s.	Apr. 12th 6.45 a.m. 1 hr.	Plaice	168	117	..	..	..	..	..	..	..	..	275	..	275	..
					Dab	67	26	3	..	..	..	..	..	..	..	96	..	96	..
					Sole .. ..	..	..	1	1	..	..	..	..	..	..	2	..	2	..
					Flounder	1	..	..	..	..	..	..	..	..	..	1	..	1	..
					Cod .. ..	..	..	1	1	1	..	..	..	..	..	3	..	3	..
XXX 19 O 186	North of Terschelling Light Vessel. 53° 44' N., 4° 49' E.	21 20 20	m. m. m.	Apr. 14th 4.15 a.m. 5 hrs.	Plaice .. ..	..	1	4	..	..	..	..	..	..	..	5	..	5	..
					Dab	347	44	1	..	..	..	..	..	..	..	392	18	392	18
					Sole .. ..	..	..	3	..	..	..	..	..	..	..	3	..	3	..
					Turbot .. ..	..	..	3	2	1	..	..	..	..	..	6	13	6	13
					Brill .. ..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Long Rough Dab	3	..	..	..	..	..	..	..	..	..	3	..	3	..
					Cod .. ..	..	..	1	2	..	1	..	2	..	..	6	16	6	16
					Haddock .. ..	..	3	50	7	..	..	..	..	..	..	60	28	[210]	[98]
					Whiting	16	409	82	1	2	..	..	..	..	..	510	[147 1/2]	510	[147 1/2]
					Herring .. ..	..	4	..	..	..	..	..	..	..	..	4	..	4	..
					Grey Gurnard	22	41	6	..	..	..	..	..	..	..	69	..	69	..
					Thornback .. ..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Spur Dog .. ..	..	..	..	..	1	1	..	..	..	..	2	..	2	..
XXX 24 O 187	North of Terschelling Light Vessel. 53° 42 1/2' N., 4° 45 1/2' E.	20 19	m. s.m.	Apr. 14th 11.20 a.m. 5 hrs.	Plaice .. ..	..	1	5	2	..	..	..	..	..	..	8	..	8	..
					Dab	239	32	..	..	..	..	..	..	..	..	271	15	271	15
					Sole .. ..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
					Long Rough Dab	2	4	..	..	..	..	..	..	..	..	6	..	6	..
					Cod .. ..	..	..	1	..	3	..	1	..	..	..	5	15	5	15
					Haddock .. ..	..	3	203	18	2	6	..	..	..	..	232	131	232	131
					Whiting	17	609	100	2	..	..	..	..	..	..	728	114	728	114
					Grey Gurnard	19	40	2	..	..	..	..	..	..	..	61	8	61	8
					Shad .. ..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Herring .. ..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
XXX 31 B 125	Texel Ground .. 52° 57 1/2' N., 4° 13' E.	15 14	f.s. f.s.	Apr. 15th 7 a.m. 3 hrs.	Plaice	131	351	14	..	..	..	..	..	..	..	496	62	496	62
					Dab	70	19	..	..	..	..	..	..	..	..	89	5 1/2	89	5 1/2
					Sole .. ..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
					Turbot .. ..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Whiting .. ..	..	19	..	..	..	..	..	..	..	..	19	..	19	..
					Grey Gurnard	45	67	..	..	..	..	..	..	..	..	112	..	112	..
XXX 39 B 126	N.E. part of Brown Ridges. 52° 56 1/2' N., 3° 45 1/2' E.	15 15	f.s. f.s.	Apr. 15th 5.15 p.m. 3 hrs.	Plaice .. ..	..	1	40	29	1	..	..	..	..	..	71	22	71	22
					Dab	140	19	1	..	..	..	..	..	..	..	160	..	160	..
					Sole .. ..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
					Brill .. ..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Thornback .. ..	..	..	..	..	1	..	..	..	..	..	1	..	1	..
XXXI 1 B 127	Off Norderney .. 53° 51' N., 7° 18 1/2' E.	11 12	f.s. f.s.	May 11th 8.15 p.m. 3 hrs.	Plaice	4	11	6	..	..	..	..	..	..	..	21	5	21	5
					Dab	78	24	..	..	..	..	..	..	..	..	102	6	102	6
					Sole .. ..	..	29	11	3	..	..	..	..	..	..	43	12	43	12
					Cod .. ..	..	..	..	..	..	..	..	..	1	..	1	10	1	10
					Grey Gurnard	1	2	..	..	..	..	..	..	..	..	3	..	3	..
					Latchet .. ..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
XXXI 2 B 128	North of Norderney .. 54° 08' N., 7° 15 1/2' E.	15 1/2 17	f.d.s. f.d.s.	May 12th 4.15 a.m. 3 hrs.	Plaice .. ..	..	2	..	..	..	1	..	..	..	..	3	..	3	..
					Dab	1	98	26	..	..	..	..	..	..	..	120	6	[240]	12
					Lemon Dab .. ..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Sole .. ..	..	1	2	..	..	..	..	..	..	..	3	..	3	..
					Turbot .. ..	..	..	7	1	1	..	..	..	..	..	9	12	9	12
					Brill .. ..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Cod .. ..	..	1	1	..	..	..	..	..	..	..	2	..	2	..
					Haddock .. ..	..	..	29	..	..	..	..	..	..	..	29	13 1/2	29	13 1/2
					Whiting .. ..	..	4	1	..	..	..	..	..	..	..	5	..	5	..
					Grey Gurnard	55	56	..	..	..	..	..	..	..	..	111	..	111	..
					Latchet .. ..	..	..	4	1	..	..	..	..	..	..	5	..	5	..
					Thornback .. ..	..	1	..	..	1	..	..	..	..	..	2	..	2	..

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.	
																No.	Kg.	No.	Kg.
XXXI 3 B 129	S.W. of Heligoland .. 53° 59' N., 7° 42' E.	19 s. & oz. 18 s. & oz.	May 12th 9 a.m. 3 hrs.	Plaice ..	..	..	1	1	..	..	..	..	..	..	..	2	..	2	..
				Dab ..	..	..	..	..	..	..	..	..	..	..	..	Same size as last haul.		1/2 Basket.	14
				Turbot ..	..	..	1	4	..	1	..	..	..	..	..	6	9	6	9
				Brill ..	..	..	..	2	..	..	..	..	..	..	..	2	..	2	..
				Cod ..	..	..	1	..	..	..	..	2	1	..	..	4	15	4	15
				Haddock ..	..	..	..	16	4	..	..	..	..	..	..	20	12	20	12
				Whiting ..	..	..	11	..	..	..	..	..	..	..	..	11	..	11	..
				Grey Gurnard ..	..	1	1	..	..	..	..	..	..	..	..	2	..	1/2 Basket.	6
				Thornback ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
XXXI 4 B 130	Off Weser Light Vessel. 53° 55' N., 7° 46' E.	18 s. & oz. 11 f.d.s.	May 12th 12.15 p.m. 3 hrs.	Plaice ..	..	138	47	7	..	..	..	..	..	..	..	192	13	192	13
				Dab ..	..	..	31	9	..	..	..	..	..	..	..	40	3	[400]	30
				Sole ..	..	..	..	4	2	..	..	..	..	..	..	6	..	6	..
				Turbot ..	..	..	..	3	..	..	..	..	..	..	..	3	..	3	..
				Brill ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Cod ..	..	..	..	..	..	..	..	..	..	1	..	1	6	1	6
				Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1/2 Basket.	6
XXXI 6 B 131	Between Heligoland and Amrum 54° 30' N., 7° 51' E.	11 f.s. & oz. 10 f.s.	May 12th 8.20 p.m. 2 hrs.	Plaice ..	..	..	3	27	9	..	..	..	..	..	..	39	8	39	8
				Dab ..	..	..	34	8	..	..	..	..	..	..	..	42	..	42	..
				Sole ..	..	..	..	1	1	..	..	..	..	..	..	2	..	2	..
				Brill ..	..	..	..	1	1	..	..	..	..	..	..	2	..	2	..
				Halibut ..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
				Cod ..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..
				Thornback ..	..	..	1	1	2	..	..	..	..	..	..	4	..	4	..
XXXI 7 O 188	Sylt Inner 54° 55' N., 8° 9' E.	7 f.s. 7 f.s.	May 13th 7 a.m. 2 hrs.	Plaice ..	..	154	118	..	..	..	..	..	..	..	..	272	22	272	22
				Dab ..	..	..	30	6	..	..	..	..	..	..	..	36	..	36	..
				Flounder ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Whiting ..	..	..	..	4	..	..	..	..	..	..	..	4	..	4	..
				Grey Gurnard ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Sprat..	..	12	..	..	..	..	..	..	..	..	..	12	..	12	..
XXXI 9 B 132	S.W. of Fanö 55° 18' N., 8° 15' E.	7 1/2 f.s. & oz. 7 1/2 f.s. & oz.	May 13th noon 2 hrs.	Plaice ..	..	449	319	..	..	..	..	..	..	..	..	768	59	768	59
				Dab ..	..	1	52	58	2	..	..	..	..	..	..	113	10	113	10
				Lemon Dab..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Sole ..	..	..	1	..	1	..	..	..	..	..	..	2	..	2	..
				Flounder ..	..	..	..	2	..	..	..	..	..	..	..	2	..	2	..
				Cod ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Whiting ..	..	..	3	..	..	..	..	..	..	..	..	3	..	3	..
				Grey Gurnard ..	..	1	1	1	..	..	..	..	..	..	..	3	..	3	..
				Sprat..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Spur Dog ..	..	..	..	..	..	..	1	..	2	4	..	7	21	7	21
XXXI 10 B 133	S.E. of Vyl Light Vessel. 55° 20' N., 7° 50' E.	11 f.s. 11 f.s.	May 13th 4.30 p.m. 2 hrs.	Plaice ..	..	..	14	64	67	..	..	..	..	..	..	145	37	145	37
				Dab ..	..	..	214	16	..	..	..	..	..	..	..	230	10	230	10
				Lemon Dab..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Sole ..	..	..	..	1	3	..	..	..	..	..	..	4	..	4	..
				Cod ..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..
				Haddock ..	..	..	..	9	..	..	..	..	..	..	..	9	..	9	..
				Grey Gurnard ..	..	8	40	..	..	..	..	..	..	..	..	48	..	48	..
XXXI 12 B 134	Norman's Deep .. 55° 35' N., 7° 45' E.	11 1/2 f.d.s. 7 f.d.s.	May 17th 7.20 a.m. 2 hrs.	Plaice ..	..	74	132	17	..	..	..	..	..	..	..	223	25	[2297]	257 1/2
				Dab ..	..	..	254	106	4	..	..	..	..	..	..	364	27	364	27
				Lemon Dab..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Sole ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard ..	..	1	1	..	..	..	..	..	..	..	..	2	..	2	..
				Thornback ..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil	Date, Hour Shot, and Duration.	Ins. . .	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{3}{4}$ +	23 $\frac{3}{8}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.					
					Cm. . .	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.			
XXXI 14 B 135	Horn Reef Outer .. 55° 35' N., 6° 39' E.	19 f.l.s. 21 f.l.s.	May 17th 5 p.m. 2 hrs.	Dab	52		11										63		63				
				Lemon Dab.. ..			1												1		1		
				Turbot			1													1		1	
				Cod			1													1		1	
				Haddock			4													4		4	
				Grey Gurnard ..	1	5														6		6	
Spur Dog										1						1		6 or 7					
XXXI 16 B 136	Western part of Horn Reef Outer. 55° 32' N., 6° 3' E.	26 $\frac{1}{2}$ f.s.oz. 27 f.s.m.	May 18th 6 a.m. 2 hrs.	Plaice			4	4	2	1							11	6	11	6			
				Dab	148	16	2												166		166		
				Turbot									1							1		1	
				Long Rough Dab	11	9														20		20	
				Cod			1	1	1	2										5		5	
				Haddock	1	7	13													21		21	
				Whiting			1													1		1	
				Grey Gurnard ..	2	21														23		23	
				Starry Ray ..			1	1												2		2	
XXXI 18 B 137 (With chain on ground rope.)	Western part of Horn Reef Outer. 55° 33' N., 6° 9' E.	27 f.s.m. 26 f.s.m.	May 18th 8.45 a.m. 2 hrs.	Plaice			2	5	1		1						9		9				
				Dab	191	24													215		215		
				Long Rough Dab	19	21														40		40	
				Cod			2	1												3		3	
				Haddock			5	13		1										19		19	
				Grey Gurnard ..	7	50														57		57	
				Ling													1			1		1	
				Catfish									1							1		1	
				Thornback ..									1							1		1	
XXXI 19 B 138 (With chain on ground rope.)	Sylt Inner 55° 1' N., 8° 5' E.	7 $\frac{1}{2}$ f.s. 7 $\frac{1}{2}$ f.s.	May 21st & 22nd 10.30 p.m. (21st) 3 hrs.	Plaice	263	381	64										708	126]	708	[126]			
				Dab	2	156	40												198	10 $\frac{1}{2}$	198	10 $\frac{1}{2}$	
				Sole			1	7	4											12	[6 $\frac{1}{2}$]	12	[6 $\frac{1}{2}$]
				Turbot				1												1		1	
				Brill				1												1		1	
				Flounder			1													1		1	
				Cod										1						1		1	
				Grey Gurnard ..			1													1		1	
				Latchet						1	1									2		2	
Thornback ..									1	1						2		2					
XXXI 20 B 139 (With chain on ground rope.)	Sylt Outer 54° 52' N., 7° 43' E.	10 f.s. 10 $\frac{1}{2}$ f.s. 11 $\frac{1}{2}$ f.s.	May 23rd midnight 2 hrs.	Plaice	3	21	98										122	43	122	43			
				Dab	1	165	14												180	9	180	9	
				Sole			2	5	4											11	6 $\frac{1}{2}$	11	6 $\frac{1}{2}$
				Turbot					1		1									2	9	2	9
				Brill					1											1		1	
				Cod											1		2			3	21	3	21
				Haddock			1	20	12											33	24	33	24
				Whiting			1	5	2											8		8	
				Grey Gurnard ..	4	6														10		10	
Latchet						2										2		2					
XXXI 22 B 140 (With chain on ground rope.)	Norman's Deep .. 55° 33' N., 7° 50' E.	12 f.s.m. 15 f.s.m. 13 f.s.m.	May 24th 12.15 p.m. 1 hr.	Plaice	778	625	5										1408	[115]	1408	[115]			
				Dab		38	50	1											89	9	89	9	
				Lemon Dab.. ..	1															1		1	
				Sole			2	8												10		10	
				Cod			1													1		1	
				Thornback ..						2										2		2	
XXXI 23 B 141 (With chain on ground rope.)	N. W. of Norman's Deep. 55° 36' N., 7° 45' E.	9 f.s.m. 6 $\frac{1}{2}$ f.d.s.	May 24th 1.50 p.m. 1 hr.	Plaice	70	110	8										188		188				
				Dab	10	6													16		16		
				Sole					3											3		3	
				Grey Gurnard ..			1													1		1	
				Latchet					1											1		1	
				Thornback ..						2	1									3		3	

TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. . .	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{3}{4}$ +	23 $\frac{3}{8}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.			
																0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.
XXXI 25 B 142 (With chain on ground rope.)	Dogger Bank, Northern Slope of Swashway. 56° 28 $\frac{1}{2}$ ' N., 4° 16 $\frac{1}{2}$ ' E.	16 $\frac{1}{2}$	f.l.g.s.	May 25th	Plaice			2	10	4							16	10	16	10	
		18	f.s.	6.50 a.m.	Dab	1	28	10	3									42	4	42	4
		21	f.g.s.	6 hrs.	Turbot					1	2							3	11	3	11
					Brill							1						1	5 $\frac{1}{2}$	1	5 $\frac{1}{2}$
					Cod				3	1								4		4	
					Haddock			1	4									5		5	
					Coalfish							1						1		1	
					Grey Gurnard		2											2		2	
XXXI 30 B 143 (With chain on ground rope.)	Dogger Bank, East of S. W. Patch. 54° 32' N., 2° 40 $\frac{1}{2}$ ' E.	12	f.g.s.	May 26th	Plaice			2	17	1							20	10	20	10	
		11	f.s.	1.15 a.m.	Dab		30	82	28									140	25	140	25
		12	f.d.s.	6 hrs.	Lemon Dab			1										1		1	
					Turbot				1			1						2	9	2	9
					Haddock				12	2								14	7	14	7
					Whiting				1									1		1	
XXXI 42 B 144 (With chain on ground rope.)	Dogger Bank, S. of S. W. Patch. 54° 15 $\frac{1}{2}$ ' N., 2° 19 $\frac{3}{8}$ ' E. Piece of wreck in trawl, net torn badly.	19 $\frac{1}{2}$	f.s.	May 26th	Plaice				11	1		1					13	8	13	8	
		21 $\frac{1}{2}$	f.s.	5.5 p.m.	Dab	1	11	24	5	1								42		42	
				3 hrs.	Turbot				1									1		1	
					Cod				1	1	6	2						10	9	10	9
					Haddock				4	25	11							40	22 $\frac{1}{2}$	40	22 $\frac{1}{2}$
					Grey Gurnard		9	3										12		12	
XXXI 43 B 145 (With chain on ground rope.)	Flamborough Off 54° 3 $\frac{3}{4}$ ' N., 1° 1' E.	31 $\frac{1}{2}$	f.d.s.	May 27th	Plaice				17	9	1						27	20	27	20	
		26	f.d.s.	3.15 a.m.	Dab		45	2										47		47	
				3 hrs.	Lemon Dab			2	8	2								12	6	12	6
					Turbot							1						1	2 $\frac{1}{2}$	1	2 $\frac{1}{2}$
					Cod				3	2	6			1				12	10 $\frac{1}{2}$	12	10 $\frac{1}{2}$
					Haddock				5									5		5	
					Whiting				1									1		1	
					Grey Gurnard		2	13	1									16		16	
XXXI 43 B 116 (With chain on ground rope.)	Bridlington Bay 54° 2' N., 0° 9 $\frac{1}{2}$ ' W.	4 $\frac{3}{4}$	f.s.	May 27th	Plaice		29	42	2								73	7 $\frac{3}{4}$	73	7 $\frac{3}{4}$	
		5 $\frac{1}{2}$	f.s.	11.50 a.m.	Dab		12	20										32		32	
				1 hr.	Sole				1	1								2		2	
					Turbot					1								1		1	
					Brill					1	1							2		2	
					Flounder					1								1		1	
					Grey Gurnard		9	6										15		15	
					Thornback				1	5	12	2						20	29	20	29
XXXI 47 B (c.) 147	Bridlington Bay 54° 2' N., 0° 9 $\frac{1}{2}$ ' W. Covered net experiment (No. 1) Contents of ordinary Cod-end alone recorded here.	6	f.s.	May 27th	Plaice		31	39									70		70		
		7	f.s.	1.50 p.m.	Dab		24	25										49		49	
				1 hr.	Sole				3	1								4		4	
					Turbot					1	1							2		2	
					Brill					2								2		2	
					Whiting					1								1		1	
					Grey Gurnard	1	18	5										24		24	
XXXII 14 B 149 (With chain on ground rope.)	Sunk 51° 49' N., 1° 31 $\frac{1}{2}$ ' E.	9	c.s. gvl.	June 2nd	Sole			8									8		8		
		10	c.s.	6.15 a.m.	Cod				1									1		1	
				1 $\frac{1}{2}$ hrs.	Thornback		1		1	7	4							13		13	
					Homelyn				2									2		2	
XXXII 20 B 150	Off Southwold 52° 17 $\frac{3}{8}$ ' N., 1° 49 $\frac{1}{2}$ ' E. Net torn.	10 $\frac{1}{2}$	gvl.	June 3rd	Plaice		6	4									10		10		
		15	gvl.	4 a.m.	Dab		16	6										22		22	
				2 hrs.	Lemon Dab				1									1		1	
					Sole				4	2								6		6	
					Cod				1	1				1				3		3	
					Whiting				10	5								15		15	
					Thornback				1									1		1	
			Homelyn				1									1		1			

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.					
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.			
XXXIV 9 O 197	Flamborough Off .. 54° 1½' N., 1° 6½' E.	25 f.d.s. 22½ f.d.s.	July 4th 2.50 a.m. 5 hrs. 40 mins.	Plaice				63	9	4							76	50	76	50			
				Dab			106	2	1										109	6	109	6	
				Lemon Dab.. .. .				1	30											31	18	31	18
				Sole					1											1		1	
				Cod						30	15	22	5	6	4	5	1	1		89	127	89	127
				Haddock							33	34	2							69	20	69	20
				Whiting								157	22							179	30	179	30
				Grey Gurnard									15	50	6					71	10	71	10
Angler																			5 (large)				
XXXIV 10 O 198	Flamborough Off .. 54° 0' N., 1° 8½' E.	22½ f.d.s. 23 f.d.s. 23 f.d.s.	July 4th 9 a.m. 5½ hrs.	Plaice				4	26	3	1						34	15	34	15			
				Dab			339	8											347	15	[1041	45]	
				Lemon Dab.. .. .				2	11	1										14	8	14	8
				Sole					1											1		1	
				Cod						28					1		1	3		33	41	33	41
				Haddock							20	30								50	15	50	15
				Whiting							8	252	23							283	41	283	41
				Grey Gurnard							111	111	4							226	25	[452	50]
Angler																			4				
XXXIV 11 O 199	Flamborough Off .. 54° 5½' N., 1° 1½' E. Small hole in bosom.	23 f.d.s. 25 f.d.s. 27 f.d.s.	July 4th 3 p.m. 5½ hrs.	Plaice				8	17	6							31	16	31	16			
				Dab			134	6											140	6	140	6	
				Lemon Dab.. .. .				2	6											8	4	8	4
				Turbot							1		1							2	11	2	11
				Cod				4	93	7		1	3	4	5	3				120	105	120	105
				Haddock					87	38	1									126	31	[189	46½]
				Whiting					2	131	13									146	23	146	23
				Coalfish														1		1		1	
Grey Gurnard						95	136	2								233	23	233	23				
Angler																			2				
XXXIV 12 O 200	Flamborough Off .. 54° 9' N., 1° 8½' E.	27 f.d.s. 28 f.d.s. 28 f.s. & m.	July 4th & 5th 9 p.m. (4th) 5½ hrs.	Plaice				40	14								54	35	54	35			
				Dab			143	3											146	6	146	6	
				Lemon Dab.. .. .				1	13	1										15	7	15	7
				Cod				1	49	7	11	2	4	3	4	12	1		94	186	94	186	
				Haddock				1	69	70	5									145	45	145	45
				Whiting					4	251	38	2								295	53	295	53
				Grey Gurnard					6	47	12									65	12	65	12
				Angler																			
XXXIV 13 O 201	Flamborough Off .. 54° 11½' N., 1° 7½' E.	28 f.s.m. 29 f.d.s.	July 5th 3.15 a.m. 5½ hrs.	Plaice				15	7								22	13	22	13			
				Dab			54	7											61	3	61	3	
				Lemon Dab.. .. .				1	8											9	5	9	5
				Cod				43	6	11	8	3	6	4					81	98	81	98	
				Haddock				1	98	35	2									136	30	136	30
				Whiting					154	21	1									176	32	176	32
				Coalfish								1								1		1	
				Ling									1							1		1	
Grey Gurnard					19	70	2									91	10	91	10				
XXXIV 14 O 202	Flamborough Off .. 54° 13½' N., 1° 7½' E. Came fast to wreck, parted ground rope and headline, net very badly torn.	29 f.d.s. 33 f.d.s. & sh.	July 5th 9 a.m. 1 hr.	Plaice				4	2								6		6				
				Lemon Dab.. .. .				2											2		2		
				Cod				9	1	1		6	2						19	32	19	32	
				Haddock					13	3	2									18		18	
				Whiting					4	21	3									28		28	
Ling												1				1		1					
XXXIV 15 O 203	Flamborough Off .. 54° 17½' N. 1° 15½' E.	30 d.s. & sh. 30 d.s. & sh.	July 5th 6.30 p.m. 3½ hrs.	Plaice				20	12	1							33	23	33	23			
				Dab				46	6										52	3	52	3	
				Lemon Dab.. .. .					2	19										21	10	21	10
				Brill									2							2	5	2	5
Cod						18	6	9	3	3	1	1				41	35	41	35				

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	18+	23+	27+	31+	35+	39+	Measured.		Total Catch.			
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.	
XXXIV 21 O 209	Flamborough Off .. 54° 6½' N., 0° 49' E.	27 | f.s.m. 25 | f.d.g.s.	July 7th 3 a.m. 5½ hrs.	Plaice .. .. .	..	..	14	17	6	1	..	..	..	..	..	38	16	38	16		
				Dab .. .. .	..	141	17	1	..	..	..	..	..	..	..	..	159	8	159	8	
				Lemon Dab.. ..	..	..	1	14	..	..	..	..	..	..	..	..	..	15	6	15	6
				Sole .. .. .	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Cod .. .. .	..	..	32	6	1	..	1	1	1	2	..	..	..	44	36	44	36
				Haddock .. ..	..	..	47	16	1	..	..	..	..	..	..	..	..	64	16	64	16
				Whiting .. .. .	..	7	147	8	1	..	..	..	..	..	..	..	..	163	23	163	23
				Grey Gurnard ..	..	56	154	1	..	..	..	..	..	..	..	..	..	211	22	[422	44]
Horse Mackerel Herring .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..				
XXXIV 22 O 210	Flamborough Off .. 54° 2½' N., 0° 50½' E. Belly badly torn.	25 | f.g.s. 25 | f.d.spks. 25 | f.g.s. sh.	July 7th 9 a.m. 5½ hrs.	Plaice .. .. .	..	..	10	18	3	..	..	..	..	..	..	31	14	31	14		
				Dab .. .. .	..	44	14	1	1	..	..	..	..	..	..	..	60	4	60	4	
				Lemon Dab.. ..	..	..	7	13	..	..	..	..	..	..	..	..	..	20	8	20	8
				Sole .. .. .	..	..	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..
				Turbot .. .. .	..	..	..	..	..	..	1	..	..	..	..	..	..	1	7	1	7
				Cod .. .. .	..	3	39	4	1	..	2	..	1	..	..	..	..	50	18	50	18
				Haddock .. ..	..	..	4	5	..	..	..	..	..	..	..	..	..	9	..	9	..
				Ling .. .. .	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard ..	..	43	85	3	..	..	..	..	..	..	..	..	..	131	13	[393	39]
				Skate.. .. .	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	2	..
XXXIV 23 O 211	Flamborough Off .. 54° 5½' N., 0° 55½' E.	25 | f.d.s. 28 | f.d.s.	July 7th 5 p.m. 4½ hrs.	Plaice .. .. .	..	..	4	12	10	..	..	..	..	..	..	26	17	26	17		
				Dab .. .. .	..	91	6	1	..	..	..	..	..	..	..	..	98	5	98	5	
				Lemon Dab.. ..	..	..	4	17	2	..	..	..	..	..	..	..	..	23	15	23	15
				Sole .. .. .	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Cod .. .. .	..	..	49	4	7	3	4	4	5	1	1	..	..	78	90	78	90
				Haddock .. ..	..	..	95	187	9	..	..	..	..	..	..	..	..	291	111	291	111
				Whiting .. .. .	..	10	138	10	..	..	..	..	..	..	..	..	..	158	30	[316	60]
				Ling .. .. .	..	..	..	..	..	1	..	1	..	..	..	..	..	2	..	2	..
				Grey Gurnard ..	..	17	89	..	..	..	..	..	..	..	..	..	..	106	12	[212	24]
				Skate.. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
Angler .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..				
XXXIV 24 O 212	Flamborough Off .. 54° 5½' N., 0° 48½' E.	28 | f.d.s. 28½ | f.s.m.	July 7th & 8th 9.50 p.m. (7th) 5 hrs. 40 min.	Plaice .. .. .	..	..	5	11	11	..	..	..	..	..	..	27	16	27	16		
				Dab .. .. .	..	171	8	1	..	..	..	..	..	..	..	..	180	..	180	..	
				Lemon Dab.. ..	..	..	2	8	..	..	..	..	..	..	..	..	..	10	..	10	..
				Sole .. .. .	..	..	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..
				Cod .. .. .	..	3	76	6	8	3	6	8	6	2	..	..	..	118	131	118	131
				Haddock .. ..	..	..	121	129	15	..	..	..	..	..	..	..	..	265	96	[353	128]
				Whiting .. .. .	..	2	83	5	..	..	..	..	..	..	..	..	..	90	15	[270	45]
				Skate.. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
XXXV 1 B (c.) 155	Flamborough Off .. 54° 3½' N., 0° 58½' E. Covered net experi- ment (No. 2).	25 | f.d.s. 25 | f.d.s.	July 20th 3.50 a.m. 1 hr.	Plaice .. .. .	..	..	..	2	..	..	..	..	..	..	..	2	..	2	..		
				Dab .. .. .	..	5	70	2	..	..	..	..	..	..	..	..	77	..	77	..	
				Lemon Dab... ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Haddock .. ..	..	..	12	1	..	..	..	..	..	..	..	..	..	13	..	13	..
				Whiting .. .. .	..	4	16	1	..	..	..	..	..	..	..	..	..	21	..	21	..
Grey Gurnard ..	..	23	14	..	..	..	..	..	..	..	..	..	..	37	..	37	..				
XXXV 3 O 213	Flamborough Off .. 54° 6½' N., 1° 0½' E.	25 | f.g.s. 27 | f.g.s. m. 25 | f.s. & m.	July 20th 6.15 a.m. 5 hrs.	Plaice .. .. .	..	..	1	13	7	..	..	..	..	..	..	21	12	21	12		
				Dab .. .. .	..	3	112	13	..	..	..	..	..	..	..	..	128	..	128	..	
				Lemon Dab .. ..	..	1	2	4	1	..	..	..	..	..	..	..	..	8	..	8	..
				Sole .. .. .	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Turbot .. .. .	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Cod .. .. .	..	2	34	3	..	..	..	..	1	..	..	..	..	40	12	40	12
				Haddock .. ..	..	..	58	4	1	..	..	..	..	..	..	..	..	63	10½	63	10½
				Whiting .. .. .	..	..	184	16	..	..	..	..	..	..	..	..	..	200	28	200	28
				Grey Gurnard ..	..	136	137	..	..	..	..	..	..	..	..	..	..	273	23	[682]	58
				Angler .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..

TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..													Measured.		Total Catch.	
				0+	4+	8+	12+	15½+	19½+	23½+	27½+	31½+	35½+	39½+	No.	Kg.	No.	Kg.		
XXXV 4 O 214	Flamborough Off .. 54° 31' N., 1° 2½' E.	25	f.s.m.	July 20th	Plaice	1	3	18	9	31	17½	31	17½
		29	f.d.s.	11.50 a.m.	Dab	62	16	78	..	78	..
		30	f.d.s.	6½ hrs.	Lemon Dab	3	23	2	28	15	28	15
					Turbot	1	1	..	1	..
					Long Rough Dab ..	1	2	3	..	3	..
					Cod	51	3	3	1	1	59	20½	59	20½
					Haddock	143	31	2	1	177	[37½]	177	[37½]
					Whiting	1	135	17	1	154	25	154	25
					Grey Gurnard ..	72	176	2	250	24	[60½]	58
			Angler .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..
XXXV 5 O 215	Flamborough Off .. 54° 11½' N., 1° 0½' E.	30	f.d.s.m.	July 20th	Plaice	1	25	10	1	..	..	..	..	..	..	37	26	37	26
		35	f.d.s.m.	6.50 p.m. (20th) 7 hrs. 10 min.	Dab	12	1	..	1	..	..	..	..	..	..	14	..	14	..
					Lemon Dab ..	..	11	..	..	..	..	..	..	..	..	11	6	11	6
					Sole .. ..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Turbot .. ..	..	..	..	1	..	..	..	..	..	..	1	4½	1	4½
					Cod .. ..	..	56	23	8	2	3	4	2	..	..	98	77	98	77
					Haddock	1	87	159	15	..	..	..	..	..	..	262	[98½]	262	[98½]
					Whiting	1	152	23	..	..	..	..	..	..	..	176	33	[325]	61
					Hake .. ..	..	..	..	..	..	..	..	1	..	..	1	..	1	..
					Grey Gurnard	About 1 Basket.
					Angler	5	..
XXXV 6 B (c.) 156	Flamborough Off .. 54° 12½' N., 1° 2½' E. Covered net experiment (No. 3).	35	f.d.s.	July 21st	Plaice	1	1	2	..	..	..	..	..	..	..	4	..	4	..
		33	f.d.s.	3 a.m.	Dab	9	24	1	..	..	..	..	..	..	..	34	..	34	..
				1 hr.	Lemon Dab ..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
					Cod	8	4	10	1	..	..	..	1	..	..	24	..	24	..
					Haddock .. ..	..	14	4	..	..	..	..	..	..	..	18	..	18	..
					Whiting	41	53	4	..	..	..	..	..	..	..	98	..	98	..
					Pout	4	1	..	..	..	..	..	..	..	..	5	..	5	..
					Grey Gurnard ..	4	25	2	..	..	..	..	..	..	..	31	..	31	..
			Starry Ray ..	1	..	..	..	..	..	..	..	..	..	1	..	1	..		
XXXV 7 O 216	Botney Gut 53° 53½' N., 3° 1½' E.	31	m.	July 21st	Plaice	3	48	1	..	..	..	..	..	..	52	23	52	23	
		31	m.	2.30 p.m.	Dab	2	84	13	..	..	..	..	..	..	99	..	99	..	
		32	m.	5½ hrs.	Sole .. ..	..	..	1	..	..	..	..	..	..	1	..	1	..	
					Long Rough Dab ..	37	14	..	..	..	..	..	..	..	..	51	..	51	..
					Cod .. ..	..	8	4	4	9	8	12	6	2	..	53	146	53	146
					Haddock .. ..	..	3	20	12	..	..	..	..	..	..	35	22	35	22
					Whiting	1	481	84	2	..	..	..	..	..	..	568	103½]	568	103½]
XXXV 9 157	Between Coal Pit and Broken Bank. 53° 23½' N., 2° 3' E. Belly torn.	13	s.g.vl.	July 22nd	Plaice	9	31	7	1	..	..	..	..	..	48	22½	48	22½	
		14	c.s.	4.30 a.m.	Dab	103	55	2	..	..	..	..	..	..	160	13	169	13	
		14	f.g.s.	5½ hrs.	Lemon Dab ..	2	2	5	..	..	..	..	..	..	9	2½	9	2½	
					Brill .. ..	..	..	1	1	..	..	..	..	..	2	3½	2	3½	
					Cod .. ..	..	1	..	..	..	..	..	..	..	1	..	1	..	
					Whiting	1	..	..	..	..	..	..	..	..	1	..	1	..	
					Ling .. ..	..	1	..	..	..	..	..	..	..	1	..	1	..	
					Grey Gurnard ..	25	16	1	..	..	..	..	..	..	..	42	..	42	..
					Thornback .. ..	..	1	2	..	..	..	..	..	..	..	3	..	3	..
XXXV 11 B 158	Between Swarte Bank and Broken Bank. 53° 20½' N., 2° 11½' E.	14	f.g.s.	July 22nd	Plaice	3	26	53	5	2	..	..	..	..	89	34	89	34	
		15	f.g.s.	12.15 p.m.	Dab	426	61	2	..	..	..	..	..	..	489	28	489	28	
				4½ hrs.	Sole .. ..	..	1	..	..	..	..	..	..	..	1	..	1	..	
					Cod .. ..	..	1	..	..	..	..	..	..	..	1	..	1	..	
					Whiting .. ..	..	3	..	..	..	..	..	..	..	3	..	3	..	
					Pout	1	..	..	..	..	..	..	..	..	1	..	1	..	
					Grey Gurnard ..	14	6	..	..	..	..	..	..	..	..	20	..	20	..
			Thornback .. ..	..	..	..	1	..	..	..	..	..	..	1	..	1	..		

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	20+	4+	8+	12+	15+	18+	23+	27+	31+	35+	39+	Measured.		Total Catch.		
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.
XXXV 12 O 217	East of South part of Swarte Bank. 53° 20' N., 2° 23' E.	15	f.g.s.	July 22nd	Plaice ..	3	42	78	10	..	..	..	..	..	..	133	49	133	49	
		12	f.g.s.	5.30 p.m.	Dab ..	2	887	223	6	..	..	..	..	..	..	..	1118	76	1118	76
		14	f.g.s.	5½ hrs.	Lemon Dab ..	1	3	4	..	..	..	..	..	..	..	..	8	..	8	..
					Sole ..	..	..	2	2	..	..	..	..	..	..	..	4	..	4	..
					Brill ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Cod ..	..	..	4	2	..	..	..	..	..	..	..	6	..	6	..
					Whiting ..	..	..	39	9	..	..	..	..	..	..	..	48	..	48	..
					Grey Gurnard ..	28	71	2	..	..	..	..	..	..	..	..	101	..	101	..
					Latchet ..	..	..	1	2	..	..	..	..	..	..	..	3	..	3	..
					Red Mullet ..	..	..	3	..	..	..	..	..	..	..	..	3	..	3	..
					Greater Weever. Horse Mackerel. Thornback ..	..	..	15	9	..	..	..	..	..	..	..	24	..	24	..
					Spur Dog ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
XXXV 13 O 218	Leman Ground .. 53° 25' N., 2° 19½' E. Belly and fore wing torn.	14	f.g.s.	July 22nd & 23rd.	Plaice ..	5	34	10	1	..	..	..	..	..	..	50	28½	50	28½	
		14	f.g.s.	11.30 p.m. (22nd.)	Dab ..	189	98	18	..	..	..	..	..	..	..	..	305	31	305	31
		14	f.g.s.	5½ hrs.	Lemon Dab ..	1	15	8	..	..	..	..	..	..	..	..	24	8	24	8
					Sole ..	..	..	3	6	..	..	..	..	..	..	..	9	..	9	..
					Turbot ..	..	..	..	..	..	..	1	..	..	..	..	1	7½	1	7½
					Cod ..	..	1	16	2	..	..	..	..	..	..	..	19	..	19	..
					Whiting ..	..	..	25	13	..	..	..	..	..	..	..	38	..	38	..
					Grey Gurnard ..	5	20	..	..	..	..	..	..	..	..	..	25	..	25	..
					Red Mullet ..	5	13	..	..	..	..	..	..	..	..	..	18	..	18	..
					Thornback ..	..	..	1	2	..	..	..	..	..	..	..	3	..	3	..
XXXV 14 O 219	Leman Ground .. 53° 25' N., 2° 23½' E. Belly split.	13	f.g.s.	July 23rd	Plaice ..	4	18	55	7	1	..	..	..	..	..	85	35	85	35	
		11	f.g.s.	8 a.m.	Dab ..	288	104	22	..	..	..	..	..	..	..	..	414	39	414	39
		19	f.g.s.	5½ hrs.	Lemon Dab ..	1	3	9	..	..	..	..	..	..	..	..	13	5	13	5
					Turbot ..	..	..	1	1	..	..	..	..	..	..	..	2	3	2	3
					Brill ..	..	..	..	1	..	2	..	..	..	..	..	3	8	3	8
					Cod ..	..	..	12	5	..	..	..	..	..	..	..	17	[4½]	17	[4½]
					Whiting ..	..	1	25	24	..	..	..	..	..	..	..	50	[11]	50	[11]
					Grey Gurnard ..	34	48	4	..	..	..	..	..	..	..	..	86	..	86	..
					Latchet ..	1	..	3	..	..	..	..	..	..	..	..	4	..	4	..
					Greater Weever. Thornback ..	..	..	3	4	..	..	..	..	..	..	..	7	..	7	..
					Homelyn ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
		XXXV 15 O 220	Leman Ground .. 53° 25½' N., 2° 30½' E.	16	f.g.s.	July 23rd	Plaice ..	17	57	6	80	32	80	32
16	f.g.s.			3.40 p.m.	Dab ..	1	713	19	..	..	..	..	..	..	..	..	733	34	[1229]	57
				4 hrs. 20 mins.	Sole ..	..	..	1	1	..	..	..	..	..	..	..	2	..	2	..
					Turbot ..	..	..	..	2	1	..	..	..	..	..	..	3	6	3	6
					Cod ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Whiting ..	..	17	62	2	..	..	..	..	..	..	..	81	8	81	8
					Grey Gurnard ..	60	59	..	..	..	..	..	..	..	..	..	119	10	119	10
					Latchet ..	..	..	1	1	1	..	..	..	..	..	..	3	..	3	..
					Horse Mackerel. Sprat ..	11	5	..	..	..	..	..	..	..	..	..	16	..	16	..
					Thornback ..	..	..	1	3	2	..	..	..	..	..	..	6	..	6	..
XXXV 16 O 221	Leman Ground .. 53° 23' N., 2° 53½' E.	16	f.g.s.	July 23rd & 24th.	Plaice ..	61	113	11	..	..	..	..	..	..	..	185	70	185	70	
		16	f.g.s.	8.30 p.m. (23rd)	Dab ..	710	7	..	..	..	..	..	..	..	..	..	717	31	[3284]	142
		16½	f.g.s.	6 hrs.	Sole ..	..	15	3	..	..	..	..	..	..	..	..	18	..	18	..
					Turbot ..	..	..	3	..	1	..	..	..	..	..	..	4	11	4	11
					Whiting ..	..	12	23	..	..	..	..	..	..	..	..	35	..	35	..
					Grey Gurnard ..	128	77	2	..	..	..	..	..	..	..	..	207	16	207	16
					Latchet ..	2	..	..	..	..	..	..	..	..	..	..	2	..	2	..
					Salmon ..	..	..	..	..	1	..	..	..	..	..	..	1	3½	1	3½
					Red Mullet ..	2	3	..	..	..	..	..	..	..	..	..	5	..	5	..
					Greater Weever. Horse Mackerel. Thornback ..	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
			..	..	6	5	..	..	..	..	..	..	..	..	11	..	11	..		
			..	4	1	..	..	..	..	..	..	..	..	..	5	..	5	..		

TRAWLING INVESTIGATIONS.

Voyage, Station and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.			
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.	
XXXV 17 O 222	Leman Ground .. 53° 22' N., 2° 53' E.	16 $\frac{1}{2}$ f.g.s.	July 24th 3.45 a.m. 6 $\frac{1}{2}$ hrs.	Plaice	150	246	15	1	..	..	..	..	..	..	..	412	150 $\frac{1}{2}$	412	150 $\frac{1}{2}$		
		16 f.g.s.		Dab	1	324	5	..	..	..	..	..	..	..	..	..	330	17	[1650]	85	
		16 f.g.s.		Sole .. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Turbot .. ..	..	..	..	..	2	1	..	..	..	..	..	..	..	3	8	3	8
				Brill .. ..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Whiting .. ..	..	..	..	6	..	..	..	..	..	..	..	..	..	6	..	6	..
				Grey Gurnard ..	102	72	..	..	..	..	..	..	..	..	..	..	..	174	15	174	15
				Latchet	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Red Mullet.. ..	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
				Mackerel .. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Horse Mackerel. Greater Weever. Sprat .. ..	..	..	1	2	..	..	..	..	..	..	..	..	..	3	..	3	..
				..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				..	9	..	..	..	..	..	..	..	..	..	..	..	..	9	..	9	..
	..	2	7	1	..	..	..	..	..	..	..	..	..	..	10	..	10	..			
	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..			
	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..			
XXXV 18 O 223	Leman Ground .. 53° 26 $\frac{1}{2}$ ' N., 2° 53' E.	16 f.d.s.	July 24th 11 a.m. 8 hrs.	Plaice	166	199	14	5	..	..	..	..	..	..	..	384	137 $\frac{1}{2}$	384	137 $\frac{1}{2}$		
		16 f.d.s.		Dab	271	9	..	..	..	..	..	..	..	..	..	..	280	14	[800]	43	
		16 $\frac{1}{2}$ f.d.s.		Sole .. ..	..	8	3	..	..	..	..	..	..	..	..	..	11	..	11	..	
				Turbot .. ..	..	..	4	2	..	..	..	..	..	..	..	..	6	6 $\frac{1}{2}$	6	6 $\frac{1}{2}$	
				Cod .. ..	..	2	3	..	..	..	..	..	..	..	..	..	5	..	5	..	
				Whiting .. ..	..	125	10	..	..	..	..	..	..	..	..	..	..	135	21	135	21
				Grey Gurnard ..	64	46	..	..	..	..	..	..	..	..	..	..	..	110	10	110	10
				Red Mullet.. ..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Horse Mackerel. Herring .. ..	..	3	4	..	..	..	..	..	..	..	..	..	..	7	..	7	..
				..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				..	4	..	..	..	..	..	..	..	..	..	..	..	..	4	..	4	..
				..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
		XXXV 19 O 224		Leman Ground .. 53° 24' N., 2° 55 $\frac{1}{2}$ ' E. Turn in aft wing.	16 $\frac{1}{2}$ f.d.s.	July 24th & 25th. 7.40 p.m. (24th.) 6 hrs. 50 min.	Plaice	1	149	112	9	271	84 $\frac{1}{2}$	271	84$\frac{1}{2}$
16 f.d.s.	Dab		35		3		..	..	..	..	..	..	..	..	..	..	38	2	[722]	38	
16 $\frac{1}{2}$ f.d.s.	Sole .. ..		..		6		5	1	..	..	..	..	..	..	..	..	12	..	12	..	
	Turbot .. ..		..		..		4	1	..	..	..	..	..	..	..	..	5	..	5	..	
	Whiting		3		171		3	..	..	..	..	..	..	..	..	..	177	22	177	22	
	Grey Gurnard ..		30		33		..	..	..	..	..	..	..	..	..	..	..	63	..	63	..
	Latchet .. ..		..		1		..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
	Greater Weever. Red Mullet.. ..		..		1		..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
	..		1		7		..	..	..	..	..	..	..	..	..	..	..	8	..	8	..
	..		1		3		1	1	..	..	..	..	..	..	..	..	..	6	..	6	..
	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..			
XXXV 20 O 226	Leman Ground .. 53° 22 $\frac{1}{2}$ ' N., 2° 50 $\frac{1}{2}$ ' E. Aft wing torn.	16 $\frac{1}{2}$ f.d.s.	July 25th 3.30 a.m. 5 $\frac{1}{2}$ hrs.	Plaice	77	76	4	..	..	..	..	..	..	..	..	157	49	157	49		
		16 f.d.s.		Dab	242	9	..	..	..	..	..	..	..	..	..	..	251	12	[669]	32	
		16 f.d.s.		Sole .. ..	..	3	1	..	..	..	..	..	..	..	..	..	4	..	4	..	
				Turbot .. ..	..	..	3	..	..	..	..	..	..	..	..	..	3	..	3	..	
				Brill .. ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..	
				Cod .. ..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	
				Whiting	1	112	4	..	..	..	..	..	..	..	..	..	..	117	15	117	15
				Grey Gurnard ..	50	45	..	..	..	..	..	..	..	..	..	..	..	95	..	95	..
				Red Mullet.. ..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Greater Weever. Thornback.. ..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				..	1	2	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..
				..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
		XXXV 21 O 226		S.E. part of Leman Ground. 53° 18 $\frac{1}{2}$ ' N., 3° 2 $\frac{1}{2}$ ' E. Belly and fore wing torn.	16 f.d.s.	July 25th 10.15 a.m. 5 $\frac{1}{2}$ hrs.	Plaice	57	53	2	112	32	112	32
16 f.d.s.	Sole .. ..		..		1		..	..	..	..	..	..	..	..	..	..	1	..	1	..	
16 f.d.s.	Turbot .. ..		..		..		1	1	..	..	..	..	..	..	..	..	2	..	2	..	
	Spur Dog .. ..		..		..		..	..	..	..	1	..	..	..	..	..	1	..	1	..	

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15 $\frac{1}{2}$ + 30+	19 $\frac{3}{4}$ + 40+	23 $\frac{1}{2}$ + 50+	27 $\frac{1}{2}$ + 60+	31 $\frac{1}{2}$ + 70+	35 $\frac{1}{2}$ + 80+	39 $\frac{1}{2}$ + 90+	Measured.		Total Catch.					
																No.	Kg.	No.	Kg.				
XXXV 22 O 227	S.E. part of Leman Ground, 53° 17' N., 3° 6 $\frac{1}{2}$ ' E. Parted headline, net torn badly.	16	f.d.s.	July 25th	Plaice	..	..	..	28	14	2	..	..	..	..	..	44	16	44	16		
		15	f.d.s.	5 p.m.	Dab	..	..	..	36	8	..	..	..	..	..	..	..	44	..	44	..	
				1 hr. 40 mins.	Sole	..	..	..	..	1	1	..	..	..	..	..	..	2	..	2	..	
					Turbot	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Whiting	..	..	10	97	2	..	..	..	..	..	..	..	..	109	..	109	..
					Grey Gurnard	..	4	31	1	..	..	..	..	..	..	..	..	..	36	..	36	..
			Red Mullet..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..		
XXXV 23 O 228	North part of Brown Bank, 53° 12 $\frac{1}{2}$ ' N., 3° 1 $\frac{1}{2}$ ' E.	14	f.d.s.	July 26th	Plaice	..	2	408	9	1	..	..	..	..	..	..	420	73	420	73		
		15	f.d.s.	8.30 a.m. 3 $\frac{1}{2}$ hrs.	Dab	..	..	232	34	..	..	..	..	..	..	..	..	266	16	[685]	40]	
					Turbot	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Brill	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					John Dory	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Grey Gurnard	..	39	140	..	..	..	..	..	..	..	..	..	..	179	..	179	..
					Latchet	..	..	..	..	1	1	..	..	..	..	..	..	..	2	..	2	..
					Greater Weever Thornback	..	..	8	4	..	..	..	..	..	..	..	..	..	12	..	12	..
			Spur Dog	..	..	1	..	..	..	..	1	..	..	..	..	..	1	..	1	..		
XXXV 25 O 229	North part of Brown Bank, 53° 10' N., 3° 21' E.	15	f.d.s.	July 26th	Plaice	..	..	327	12	1	..	..	..	..	..	..	340	64	340	64		
		14	f.d.s.	12.30 p.m. 5 hrs.	Dab	..	..	228	23	1	..	..	..	..	..	..	..	252	16	[850]	54	
					Sole	..	..	..	..	1	1	..	..	..	..	..	..	..	2	..	2	..
					Turbot	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Grey Gurnard	..	75	132	1	..	..	..	..	..	..	..	..	..	208	..	208	..
					Latchet	..	1	1	4	2	..	..	..	..	..	..	..	..	8	..	8	..
					Greater Weever Thornback	..	..	5	6	..	..	..	..	..	..	..	..	..	11	..	11	..
XXXV 26 O 230	North part of Brown Bank, 53° 12 $\frac{1}{2}$ ' N., 3° 26 $\frac{1}{2}$ ' E.	14	f.d.s.	July 26th & 27th	Plaice	..	6	421	12	..	..	..	..	..	..	..	439	78	439	78		
		14	f.d.s.	8 p.m. (26th.) 6 hrs.	Dab	..	..	174	38	..	..	..	..	..	..	..	..	212	16	[835]	63	
					Sole	..	..	..	23	4	..	..	..	..	..	..	..	..	27	6	27	6
					Turbot	..	..	..	..	1	1	..	..	..	..	..	..	..	2	..	2	..
					Brill	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Whiting	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
					Grey Gurnard	..	32	47	1	..	..	..	..	..	..	..	..	..	80	..	130	..
					Latchet	..	..	..	..	1	2	1	..	..	..	..	..	..	4	..	4	..
					Greater Weever	..	..	34	4	..	..	..	..	..	..	..	..	..	38	..	38	..
					Red Mullet..	..	..	2	..	..	..	..	..	..	..	..	..	..	2	..	2	..
					Thornback..	..	..	8	1	..	..	..	..	..	..	..	..	..	9	..	9	..
					Spur dog	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
		XXXV 27 B 159	North part of Brown Bank, 53° 18 $\frac{3}{4}$ ' N., 3° 29 $\frac{1}{2}$ ' E.	14	f.d.s.	July 27th	Plaice	..	9	357	13	3	..	..	..	..	..	..	382	71	382	71
14	f.d.s.			3 a.m. 6 hrs.	Dab	..	..	159	14	..	..	..	..	..	..	..	..	173	10	[2491]	144	
					Sole	..	..	..	7	..	..	..	..	..	..	..	..	..	7	..	7	..
					Turbot	..	..	..	..	6	2	..	..	..	..	..	..	..	8	11	8	11
					John Dory	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Grey Gurnard	Few	..
					Greater Weever Thornback	Few	..
					Tope	..	1	3	..	2	1	..	..	..	..	..	..	..	7	9 $\frac{1}{2}$	7	9 $\frac{1}{2}$
XXXV 28 B 160	North part of Brown Bank, 53° 16 $\frac{1}{2}$ ' N., 3° 38 $\frac{1}{2}$ ' E.	14	f.d.s.	July 27th	Plaice	..	2	265	4	2	..	..	..	..	..	..	273	50	273	50		
		14	f.d.s.	9.45 a.m. 5 $\frac{1}{2}$ hrs.	Dab	..	1	379	74	..	..	..	..	..	..	..	..	454	..	[908]	..	
					Sole	..	..	..	7	1	..	..	..	..	..	..	..	..	8	..	8	..
					Turbot	..	..	..	..	3	1	..	..	..	..	..	..	..	4	..	4	..
					Brill	..	..	..	..	2	1	..	..	..	..	..	..	..	3	..	3	..
					Grey Gurnard	..	34	1	..	..	..	..	..	..	..	..	..	..	35	..	35	..
					Latchet	..	1	1	..	..	..	..	..	..	..	..	..	..	2	..	2	..
					Greater Weever Thornback	..	1	4	1	..	..	..	..	..	..	..	..	..	6	..	6	..
			Tope	..	..	..	1	..	1	..	..	..	..	..	..	..	10	..	10	..		
			Tope	..	..	..	1	..	1	..	..	..	..	..	..	..	2	..	2	..		

TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	18+	23+	27+	31+	35+	39+	Measured.		Total Catch.			
					0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
XXXV 29 B 161	Brown Bank 53° 11' N., 3° 28' E.	14 f.d.s. 14 f.g.s.	July 27th 4 p.m. 6 hrs.	Plaice Dab Sole Turbot Brill Latchet Thornback.. ..	.. ..	.. ..	325 60 14 3 .. 1 ..	19 .. 4	2 2 .. 1	.. .. .. .. .. 1	.. .. .. .. .. .. ..	.. .. .. .. .. .. ..	.. .. .. .. .. .. ..	.. .. .. .. .. .. ..	.. .. .. .. .. .. ..	346 439 18 3 2 2 1	66 30	346 1054 18 3 2 2 1	66 72	
XXXVI 1 B (c) 162	Off Ymuiden 52° 29' N., 4° 27' E.	8 f.g.s. 9 f.g.s.	Aug. 3rd 4 a.m. 1 hr.	Plaice Latchet Greater Weever. Tope .. ..	.. ..	.. ..	32 1 6 ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	32 1 6 2	.. .. .. ..	32 1 6 2	.. .. .. ..
XXXVI 2 O 231	Off Egmond 52° 33' N., 4° 25' E.	9 f.g.s. 9 f.g.s.	Aug. 3rd 6 a.m. 4 hrs.	Plaice Dab Grey Gurnard Latchet Greater Weever.	.. ..	.. ..	286 30 1 1 1	21 12 3 2 6	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	307 42 4 4 53	18	307 42 4 4 53	18
XXXVI 3 B (c) 163	East part of Brown Bank. 53° 3' N., 3° 47' E.	15 f.g.s. 15 f.d.g.s.	Aug. 3rd 4.15 p.m. 1 hr.	Plaice Dab Greater Weever. 74 2	11 4	15 78 2	15 78 2
XXXVI 4 O 232	East part of Brown Bank. 53° 5' N., 3° 48' E.	15 f.d.g.s. 15 14 f.d.g.s.	Aug. 3rd 6 p.m. 6 hrs.	Plaice Dab Sole Turbot Brill Grey Gurnard Latchet Greater Weever. Horse Mackerel.	.. ..	.. ..	3 938 2 2 1 3 8 2 .. 3	38 2 3 1 2 .. 3	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	979 .. 5 3 1 11 3	178	979 .. 5 3 1 11 3	178 142
XXXVI 50 B 164	East of S. end of Well Bank. 53° 8' N., 2° 23' E.	18 f.d.g.s. 20 15 f.d.g.s.	Aug. 9th 7.40 a.m. 2 hrs.	Plaice Dab Lemon Dab.. Sole Whiting Grey Gurnard	Fish not measured.						5 1 1 2 1	5 1 1 2 1
XXXVI 51 B 165	East of S. part of Well Bank. 53° 9' N., 2° 27' E.	15 f.d.g.s. 18 d.s.m.gvl.	Aug. 9th 10.50 a.m. 2 hrs.	No fish caught.					
XXXVI 52 B 166	Off Smith's Knoll Light Vessel. 52° 52' N., 2° 34' E.	24 m.s. 21 d.s.	Aug. 9th 3.40 p.m. 3 hrs. 50 mins.	Plaice Dab Lemon Dab.. Sole Turbot Cod Whiting Poor Cod (?) Ling Grey Gurnard Thornback.. Spur Dog ..	.. ..	.. ..	2 19 39 40 14 1 1 1 1 1 2 1 26 2 17 1 5 4 1 .. 1	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	60 55 2 1 1 2 29 .. 1 18 10 2	.. .. .. .. .. .. .. .. .. .. .. .. ..	60 55 2 1 1 2 29 .. 1 18 10 2	.. .. .. .. .. .. .. .. .. .. .. .. ..
XXXVI 53 B 167	Knoll Deep 52° 52' N., 2° 27' E.	21 d.s. 23 s.m.	Aug 9th & 10th 8 p.m. (9th) 5 1/2 hrs.	Plaice Dab Lemon Dab.. Sole Cod .. ..	.. ..	.. ..	1 46 112 24 54 3 1 5 6 1 6 9 2	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	163 81 1 12 17	.. .. .. .. ..	163 81 1 12 17	.. .. .. .. ..

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.		Date, Hour Shot, and Duration.	Ins. ..	Measures													Measured.		Total Catch.									
						0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.
XXXVI 53 B 167	Knoll Deep—cont. .. 52° 52' N., 2° 27' E.	21 | d.s.	23 | s.m.	Aug. 9th & 10th 8 p.m. (9th) 5 $\frac{1}{2}$ hrs.	Whiting ..	..	..	1	77	47	2	..	..	..	..	..	..	..	..	..	..	..	..	127	..	[381]	..			
					Pout ..	..	..	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..	5	..	
					Grey Gurnard ..	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	..	6	..	
					Red Gurnard ..	..	..	..	15	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	20	..	20	..
					Red Mullet ..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Thornback ..	..	..	..	1	1	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	5	..	5	..
					Spur Dog ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
XXXVII 1 B 168	Edge of Lowestoft Deep. 52° 18' N., 2° 11' E. Heavy pull out, net slightly damaged.	21 | c.s. & sh.	19 | c.s. & sh.	Aug. 16th 2.45 p.m. $\frac{3}{4}$ hr.	Plaice ..	..	..	1	4	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..	5	..				
					Dab ..	..	..	14	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18	..	18	..	
					Lemon Dab ..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..	
					Sole ..	..	..	..	5	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8	..	8	..
					Cod ..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..
					Pout ..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
					Thornback ..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..
					Spur Dog ..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
XXXVII 2 B 169	Lowestoft Deep .. 52° 24' N., 2° 16' E.	23 | c. s. & sh.	25 | c.s. & sh.	Aug. 16th 4.15 p.m. 3 hrs.	Plaice ..	..	..	2	16	4	..	..	..	..	..	..	..	..	..	..	..	..	22	4	22	4				
					Dab ..	..	..	14	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	23	..	23	..	
					Lemon Dab ..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
					Sole ..	..	..	..	6	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	..	12	..
					Turbot ..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Brill ..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
					Cod ..	..	..	..	2	3	1	3	2	1	..	..	..	..	..	..	..	..	..	..	..	12	16	12	16	
					Whiting ..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Pout ..	..	..	..	31	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	42	..	42	..
					Ling ..	..	..	..	..	..	..	..	..	1	..	2	3	1	..	..	..	..	..	..	..	7	30	7	30	
					Thornback ..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..	
					Skate ..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Ray sp. ..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Spur Dog ..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
Tope ..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..					
XXXVII 5 B 171	Off Smith's Knoll .. 52° 56' N., 2° 19' E.	25 | c.s.	19 | g.s.	Aug. 17th 12.45 p.m. 3 hrs.	Plaice ..	..	..	5	20	2	..	..	..	..	..	..	..	..	..	..	..	..	27	12	27	12				
					Dab ..	..	..	3	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..	4	..	
					Lemon Dab ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	
					Sole ..	..	..	..	5	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	..	7	..
					Turbot ..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	5 $\frac{1}{2}$	1	5 $\frac{1}{2}$
					Cod ..	..	..	..	1	1	1	..	1	6	..	..	..	..	..	..	..	..	..	..	..	..	10	..	10	..
					Whiting ..	..	..	..	82	31	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	115	..	115	..	
					Pout ..	..	..	..	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	..	6	..
					Red Gurnard ..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Thornback ..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
Skate ..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..					
Spur Dog ..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..					
XXXVII 7 B 172	S.E. of Well Bank .. 52° 59' N., 2° 27' E.	19 | g.s.	20 | g.s.	Aug. 17th 5 p.m. 2 hrs.	Plaice ..	..	..	6	9	1	..	..	..	..	..	..	..	..	..	..	..	..	16	..	16	..				
					Dab ..	..	..	8	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9	..	9	..		
					Lemon Dab ..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	
					Whiting ..	..	..	..	21	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	26	..	26	..	
					Horse Mackerel .. Thornback ..	..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
..	..	..	..	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..	5	..					
XXXVII 11 B 174	Middle Ground .. 52° 20' N., 3° 8' E.	20 | g.s.	13 | d.g.s.	Aug. 20th 11.30 a.m. 2 hrs.	Plaice ..	..	..	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8	..	8	..				
					Dab ..	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..	
					Grey Gurnard ..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..
					Greater Weever Thornback ..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	
..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..					

TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.				
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
XXXVII 13 B 175	Winterton Shoal .. 53° 38' N., 3° 14' E.	19	g.br.s.	Aug. 20th	Plaice ..	..	..	143	24	..	..	..	..	..	..	..	167	35½	167	35½		
		20	g.br.s.	4.30 p.m.	Dab ..	..	..	30	33	..	..	..	..	..	..	..	..	63	..	63	..	
				4 hrs.	Sole ..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Turbot ..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Grey Gurnard ..	..	11	18	1	..	..	..	..	..	..	..	..	..	30	..	30	..
					Latchet ..	..	..	..	..	..	2	..	..	..	..	..	..	..	2	..	2	..
					Red Gurnard ..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Greater Weever ..	..	..	2	..	..	..	..	..	..	..	..	..	..	2	..	2	..
XXXVII 15 B 176	Brown Bank, West 53° 14' N., 2° 59½' E.	17	f.g.s.	Aug. 21st	Plaice ..	..	..	16	17	..	..	..	..	..	..	..	33	10	33	10		
		13	f.g.s.	4 a.m.	Dab ..	..	..	36	8	..	..	..	..	..	..	..	..	44	..	44	..	
				3 hrs.	Sole ..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Brill ..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..
					Greater Weever ..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Thornback ..	..	..	5	1	..	..	..	..	..	..	..	..	..	6	..	6	..
					Skate ..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
XXXVII 17 B 177	Brown Bank, East .. 53° 28' N., 3° 41½' E.	15	f.g.br.s.	Aug. 21st	Plaice ..	..	..	16	685	20	..	..	..	..	..	..	721	[104½]	721	[104½]		
		16		9.30 a.m.	Dab ..	..	..	281	78	..	..	..	..	..	..	..	..	359	24	359	24	
		13	f.g.s.	7 hrs.	Turbot ..	..	..	..	..	3	..	..	..	..	..	..	..	..	3	..	3	..
					Brill ..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Grey Gurnard ..	..	26	7	..	..	..	..	..	..	..	..	..	..	33	..	47	..
					Latchet ..	..	..	..	1	1	..	..	..	..	..	..	..	..	2	..	2	..
					Greater Weever ..	..	..	29	..	..	..	..	..	..	..	..	..	..	29	..	41	..
					Spur Dog ..	..	..	..	3	..	..	..	..	..	..	..	..	..	3	..	3	..
XXXVII 19 B 178	N.W. of Haaks Light- vessel. 53° 0' N., 3° 54½' E.	13	f.g.s.	Aug. 21st	Plaice ..	..	..	47	321	3	..	..	..	..	..	..	371	[54]	371	[54]		
		16	f.g.s.	4.45 p.m.	Dab ..	..	..	39	35	..	..	..	..	..	..	..	..	74	..	74	..	
		13	f.g.s.	2 hrs.	Turbot ..	..	..	..	..	2	2	..	1	..	..	..	..	5	..	5	..	
					Tope ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	
XXXVII 22 B 179	Broad Fourteens (North part). 52° 52½' N., 3° 58½' E.	13	f.g.s.	Aug. 21st	Plaice ..	..	..	94	854	30	1	..	..	..	..	..	979	138	[2043]	288		
		14	f.g.s.	& 22nd 7 p.m. (21st)	Dab..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3 Bas.	97	
				8 hrs.	Sole..	..	..	..	7	2	..	..	..	..	..	..	..	..	9	..	9	..
					Turbot ..	..	..	..	..	4	..	..	..	..	..	..	..	..	4	..	4	..
					Grey Gurnard and Greater Weever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	½ Basket	..
					Latchet ..	..	..	..	6	1	1	..	..	..	..	..	..	..	8	8	8	8
			Thornback ..	..	..	..	3	2	3	..	..	..	..	..	..	..	8	18	8	18		
			Spur dog ..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..		
XXXVII 23 B 180	Broad Fourteens (Middle). 52° 37½' N., 3° 57½' E.	14	f.g.s.	Aug. 22nd	Plaice ..	..	..	23	336	5	..	..	..	..	..	..	364	76	364	76		
		13½	f.g.s.	3.30 a.m.	Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Few	..	
				7 hrs.	Sole..	..	..	..	5	2	1	..	..	..	..	..	..	..	8	..	8	..
					Turbot ..	..	..	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
					Brill ..	..	..	..	..	1	1	..	..	..	..	..	..	..	2	..	2	..
					John Dory ..	..	1	1	..	..	..	..	..	..	..	..	..	..	2	..	2	..
					Cod ..	..	..	..	..	..	..	2	..	..	..	..	..	..	2	..	2	..
					Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Few	..
			Greater Weever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Few	..		
			Thornback..	..	..	1	..	1	1	..	..	..	..	..	..	..	3	..	3	..		
XXXVII 25 B 181	Broad Fourteens (South part). 52° 30½' N., 3° 57½' E. Large piece of moor log in trawl.	14	f.g.s.	Aug. 22nd	Plaice ..	..	..	1	14	..	..	..	..	..	..	..	15	..	15	..		
		13	f.g.s.	12.15 p.m.	Dab ..	..	..	3	7	..	..	..	..	..	..	..	..	10	..	10	..	
				2 hrs.	Grey Gurnard ..	..	..	2	5	..	..	..	..	..	..	..	..	..	7	..	7	..
					Greater Weever ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
			Thornback..	..	..	1	1	3	..	..	..	..	..	..	..	..	5	..	5	..		

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{3}{4}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.				
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
XXXVII 26 B 182	Broad Fourteens, (South part.) 52° 30' N., 3° 56' E.	13 f.g.s.	Aug. 22nd	Plaice			31	1								32	..	32	..			
		14 f.g.s.	2.30 p.m.	Sole			1	1									2	..	2	..		
			2 hrs.	Turbot				2		1								3	..	3	..	
				Grey Gurnard																6	..	
				Greater Weever Thornback																	10 or 12	
				Tope							1							1	..	1	..	
XXXVIII 1 B 183	Dogger Bank, S.E. of S.W. Patch. 54° 18' N., 2° 37' E.	21 f.d.g.s.	Aug. 28th	Plaice				17	4	3	1					25	22	25	22			
		16 f.d.g.s.	4.30 a.m.	Dab			162	27	2								191	12	[652]	41		
		16 $\frac{1}{2}$ f.d.g.s.	5 hrs.	Sole				1									1	..	1	..		
		Grey Gurnard			53	10										63	5	63	5			
XXXVIII 2 B 184	Dogger Bank, East of S.W. Patch. 54° 31' N., 2° 49' E.	12 $\frac{1}{2}$ f.d.g.s. & sh.	Aug. 28th	Dab			342	60	3							405	28	405	28			
		12 $\frac{1}{2}$ f.d.g.s. & sh.	noon	Sole				1									1	..	1	..		
		13 $\frac{1}{2}$ f.d.g.s. & sh.	4 hrs.	Turbot						1	1						2	6	2	6		
				Grey Gurnard			50	6									56	3 $\frac{1}{2}$	56	3 $\frac{1}{2}$		
XXXVIII 3 B 185	Dogger Bank, N.E. of Eastern Shoal. 54° 50' N., 3° 08' E.	10 $\frac{1}{2}$ f.g.s. & sh.	Aug. 28th	Plaice			1	25	2	1						29	17	29	17			
		17 f.g.s. & sh.	6 p.m.	Dab			74	43	10								127	15	[262]	31		
		17 f.g.s. & sh.	5 hrs.	Sole						1							1	..	1	..		
				Haddock			7	29	8								44	25	44	25		
				Whiting				14									14	..	14	..		
		Grey Gurnard			39	11									50	3 $\frac{1}{2}$	50	3 $\frac{1}{2}$				
XXXVIII 4 B 186	Dogger Bank, middle of S.E. Slope. 54° 58' N., 3° 23' E.	17 f.g.s. & sh.	Aug. 28th & 29th	Plaice			1	28	12	1						42	30	42	30			
		18 f.g.s. & sh.	11.30 p.m. (28th)	Dab			123	48	8	1							180	16	[371]	33		
		19 $\frac{1}{2}$ f.g.s.	5 hrs.	Lemon Dab				2									2	..	2	..		
				Sole				1									1	..	1	..		
				Haddock				8	41	5							54	28	54	28		
				Whiting				8	16	2							26	3	26	3		
		Grey Gurnard				14	20								34	4	34	4				
XXXVIII 5 B 187	Dogger Bank, middle of S.E. Slope. 55° 5' N., 3° 34' E.	19 $\frac{1}{2}$ f.g.s.	Aug. 29th	Plaice			1	6	8							15	12	15	12			
		20 f.g.s.	5 a.m.	Dab			5	144	29	19							197	19	197	19		
		19 f.g.s.	5 hrs.	Lemon Dab				3	4								7	4	7	4		
				Turbot					1								1	..	1	..		
				Haddock				2	2	1	1						6	4	6	4		
				Grey Gurnard			4	17	1								22	3	22	3		
		Angler							1						1	3	1	3				
XXXVIII 6 B (c.) 188	Swashway of Dogger 55° 22' N., 4° 11' E. Covered net experi- ment (No. 6).	21 f.g.s.	Aug. 29th	Plaice				3	2							5	..	5	..			
		19 f.g.s.	2.30 p.m.	Dab			33	90	7								130	..	130	..		
			2 hrs.	Lemon Dab				2	2								4	..	4	..		
				Cod			2			2							4	..	4	..		
				Haddock					2								2	..	2	..		
				Whiting			3	4	16	3							26	..	26	..		
				Grey Gurnard				2	15								17	..	17	..		
		Herring				1									1	..	1	..				
XXXVIII 7 B 189	South part of Tail end of Dogger Bank 55° 27' N., 4° 19' E.	19 f.g.s. & sh.	Aug. 29th	Plaice				16	11	1						28	22	28	22			
		17 f.g.s. & sh.	6 p.m.	Dab			15	29	37							81	25	81	25			
		16 $\frac{1}{2}$ f.g.s. & sh.	5 hrs.	Lemon Dab					2								2	..	2	..		
				Cod					7	3	1	1					12	20	12	20		
				Haddock				54	122	18	1						195	88	195	88		
				Whiting				8	4								12	..	12	..		
		Grey Gurnard				21									21	..	21	..				
XXXVIII 8 B 190	Tail end of Dogger Bank. 55° 35' N., 4° 23' E.	16 $\frac{1}{2}$ f.g.s. & sh.	Aug. 29th and 30th.	Plaice					3							3	..	3	..			
		17 f.g.s. & sh.	11.15 p.m.	Dab			25	60	5							90	13	90	13			
		18 f.g.s. & sh.	5 hrs.	Turbot						5						5	11 $\frac{1}{2}$	5	11 $\frac{1}{2}$			
		Cod							3						3	4	3	4				

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.			
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.	
XXXVIII 8 B 190	Tail end of Dogger Bank—cont. 55° 35' N., 4° 2' E.	16½ f.g.s. sh.	Aug. 29th & 30th. 11.15 p.m. 5 hrs.	Haddock ..	..	..	13	56	5	..	..	..	..	..	..	74	34	74	34		
		17		Whiting ..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	
		18 f.g.s. sh.		Hake ..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	1	..
				Grey Gurnard ..	..	1	13	..	..	..	..	..	..	..	..	..	..	14	..	14	..
				Thornback ..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Spur Dog ..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..		
XXXVIII 10 B 191	Dogger Bank, West of Swashway. 55° 25' N., 3° 48' E.	16 f.g.s. sh.	Aug. 30th 7.30 a.m. 3 hrs.	Dab ..	..	..	63	41	..	..	..	..	..	..	..	104	9	104	9		
		16 f.g.s. sh.		Turbot ..	..	..	..	..	1	1	..	..	..	..	..	..	2	7	2	7	
				Haddock ..	..	..	..	5	..	..	..	..	..	..	..	..	..	5	..	5	..
				Grey Gurnard ..	..	5	9	..	..	..	..	..	..	..	..	..	..	14	..	14	..
				Spur Dog ..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..		
XXXVIII 12 B 192	Dogger Bank, N.W. of Swashway. 55° 31' N., 3° 41' E.	16 f.g.s. sh.	Aug. 30th noon 4 hrs.	Plaice ..	..	..	..	..	..	..	2	..	..	..	..	2	3	2	8		
		17		Dab ..	..	51	58	10	..	..	..	..	..	..	..	..	119	17	119	17	
		19 f.g.s. sh.		Turbot ..	..	..	..	1	..	1	..	..	..	..	..	..	..	2	6	2	6
				Haddock ..	..	..	4	6	2	..	..	..	..	..	..	..	..	12	5	12	5
				Grey Gurnard ..	..	2	25	..	..	..	..	..	..	..	..	..	..	27	2	27	2
				Angler ..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..		
XXXVIII 14 B 193	North part of Dogger Bank. 55° 24' N., 3° 27' E.	17 f.g.s. sh.	Aug. 30th 7.15 p.m. 2 hrs.	Dab ..	..	..	27	32	..	..	..	..	..	..	..	59	6	59	6		
		17 f.g.s. sh.		Turbot ..	..	..	..	..	2	2	1	..	..	..	..	..	5	16	5	16	
				Haddock ..	..	..	1	17	9	..	..	..	..	..	..	..	..	27	17	27	17
				Whiting ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard ..	..	1	3	..	..	..	..	..	..	..	..	..	..	4	..	4	..
				Angler ..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..		
XXXVIII 15 B 194	Below North edge of Dogger Bank. 55° 30' N., 2° 37' E. Net cut to let out curly weed; some fish escaped, including Lemon Dabs, Starry Ray, Codling, Haddocks, and 2 Plaice.	25 f.g.s. sh.	Aug. 31st 4.15 a.m. 5 hrs.	Dab ..	..	9	5	2	..	..	..	..	..	..	..	16	..	16	..		
		24		Lemon Dab..	..	..	..	6	..	..	..	..	..	..	..	..	6	..	6	..	
		23 f.g.s. sh.		Cod ..	..	15	..	..	1	..	..	..	..	..	..	..	..	16	..	16	..
				Haddock ..	..	1	..	5	2	..	..	..	..	..	..	..	..	8	..	8	..
				Starry Ray..	..	..	2	3	..	..	..	..	..	..	..	5	..	5	..		
XXXVIII 18 B 195	Middle part (E.) of Dogger Bank. 55° 0' N., 2° 40' E.	15 f.g.s. sh.	Aug. 31st 3.30 p.m. 2 hrs.	Dab ..	..	..	286	73	5	..	..	..	..	..	..	364	32	[432]	38		
		13 f.g.s. sh.		Turbot ..	..	..	..	..	..	..	1	..	..	..	..	..	1	5	1	5	
				Brill ..	..	..	..	..	2	..	..	..	..	..	..	..	2	3	2	3	
				Cod ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..	
				Haddock ..	..	..	..	3	5	..	..	..	..	..	..	..	..	8	6	8	6
				Grey Gurnard ..	..	8	7	..	..	..	..	..	..	..	..	15	3	15	3		
XXXVIII 20 B 196	Middle part (N.W.) of Dogger Bank. 55° 2' N., 2° 15' E.	13 f.g.s. sh.	Aug. 31st 7.30 p.m. 4 hrs.	Plaice ..	..	..	..	4	3	..	..	..	..	..	..	7	7	7	7		
		16		Dab ..	..	75	112	19	..	..	..	..	..	..	..	..	206	33	206	33	
		16½ f.g.s. sh.		Brill ..	..	..	..	1	1	..	..	..	..	..	..	..	2	4	2	4	
				Cod ..	..	..	..	..	1	..	1	..	..	..	..	..	..	2	..	2	..
				Haddock ..	..	..	24	82	38	..	..	..	..	..	..	..	..	144	79	144	79
				Whiting ..	..	..	..	14	..	..	..	..	..	..	..	..	..	14	3	14	3
				Grey Gurnard ..	..	2	32	..	..	..	..	..	..	..	..	34	4	34	4		
XXXVIII 22 B 197	Middle part (W.) of Dogger Bank. 54° 49' N., 2° 12' E.	12 f.g.s. sh.	Sept. 1st 4.30 a.m. 3 hrs.	Plaice ..	..	..	..	2	1	..	1	..	..	..	..	4	6	4	6		
		14½ f.g.s. sh.		Dab ..	..	125	89	8	..	..	..	..	..	..	..	..	222	24	222	24	
				Turbot ..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	5	1	5
				Haddock ..	..	..	..	3	8	..	..	..	..	..	..	..	..	11	9	11	9
				Grey Gurnard ..	..	26	17	..	..	..	..	..	..	..	..	43	4	43	4		
XXXVIII 24 B 198	Middle part (W.) of Dogger Bank. 54° 44' N., 1° 53' E. Net cut to let out weed.	13½ f.g.s. & sh.	Sept. 1st 9.30 a.m. 4 hrs.	Plaice ..	..	..	..	1	..	1	..	..	..	..	..	2	..	2	..		
		14		Dab ..	..	1	20	6	3	..	..	..	..	..	..	..	30	..	30	..	
		13 f.g.s. & sh.		Haddock ..	..	..	..	1	4	..	..	..	..	..	..	..	..	5	..	5	..
				Grey Gurnard ..	..	3	..	..	..	..	..	..	..	..	..	3	..	3	..		

III. SUMMARIES OF HAULS.

Voyage, Station, and No of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. . .	No.													Measured.		Total Catch.		
					0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Cm. . .	No.	Kg.	No.	Kg.		
XXXVIII 26 B 200	North part of Leman Ground. 53° 42 $\frac{1}{2}$ ' N., 2° 36 $\frac{1}{2}$ ' E.	19	f.d.g.s.	Sept. 2nd	Plaice	..	..	..	15	22	2	..	..	..	..	..	..	39	16	39	16	
		19	f.d.g.s.	11.30 a.m.	Dab	..	..	4	494	2	..	..	..	..	..	..	..	500	17	[912]	31	
					4 hrs.	Sole	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
						Turbot	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
						Whiting	..	..	..	6	1	..	..	..	..	..	..	..	7	..	7	..
						Grey Gurnard	..	..	69	..	..	..	..	..	..	..	..	..	69	3	69	3
						Thornback	..	..	..	1	1	..	..	..	..	..	..	..	2	..	2	..
				Spur Dog	..	..	..	..	1	1	..	..	..	..	..	..	2	..	2	..		
XXXVIII 28 B 201	Leman Ground .. 53° 33 $\frac{1}{2}$ ' N., 2° 45' E.	18	f.d.g.s.	Sept. 2nd	Plaice	..	..	..	48	41	6	..	..	..	..	..	..	95	33	95	33	
		17	f.d.g.s.	5 p.m.	Dab	..	..	3	195	2	..	..	..	..	..	..	..	200	8	[1075]	43	
		17	f.d.g.s.	5 hrs.	Sole	..	..	..	..	4	7	..	..	..	..	..	..	11	3	11	3	
						Turbot	..	..	..	..	1	..	..	..	..	..	..	..	1	1 $\frac{1}{2}$	1	1 $\frac{1}{2}$
						Whiting	..	..	48	92	..	..	..	..	..	..	..	..	140	13	140	13
						Grey Gurnard	..	..	106	8	..	..	..	..	..	..	..	..	114	6 $\frac{1}{2}$	114	6 $\frac{1}{2}$
						Greater Weever. Thornback	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
XXXVIII 29 B 202	East part of Leman Ground. 53° 25 $\frac{1}{2}$ ' N., 3° 0 $\frac{1}{2}$ ' E.	17	f.d.s. & oz.	Sept. 2nd & 3rd	Plaice	..	..	..	95	43	1	..	..	..	..	..	..	139	36	139	36	
		16	f.d.s. & oz.	11.30 p.m. (2nd)	Dab	..	..	..	193	6	..	..	..	..	..	..	..	199	10	[1194]	60	
		15	f.d.g.s.	5 hrs.	Sole	..	..	..	..	12	12	..	..	..	..	..	..	24	7	24	7	
						Turbot	..	..	..	..	1	3	1	..	..	..	..	..	5	5	5	5
						Whiting	..	..	..	7	36	..	..	..	..	..	..	..	43	..	43	..
						Latchet	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
						Thornback	..	..	5	37	11	..	..	..	..	..	..	..	53	..	53	..
XXXVIII 30 B (c.) 203	N.W. part of Brown Bank. 53° 18 $\frac{1}{2}$ ' N., 3° 16 $\frac{1}{2}$ ' E. Covered net experiment (No. 7).	14	f.d.g.s.	Sept. 3rd	Plaice	..	..	2	11	9	2	..	..	..	..	..	..	24	..	24	..	
		14	f.d.g.s.	6 a.m.	Dab	..	..	..	187	13	..	..	..	..	..	..	..	200	..	[600]	..	
					1 $\frac{1}{2}$ hrs.	Turbot	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..	
						Whiting	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
						Grey Gurnard	..	..	43	6	..	..	..	..	..	..	..	..	49	..	49	..
						Greater Weever. Thornback	..	..	..	7	1	..	..	..	..	..	..	..	8	..	8	..
						Spur Dog	..	..	..	..	5	1	..	..	..	..	..	..	6	..	6	..
XXXIX 1 B 204	Sylt Outer .. 54° 53' N., 7° 19 $\frac{1}{2}$ ' E.	12 $\frac{1}{2}$	ls.	Sept. 15th	Plaice	..	..	408	370	2	..	..	..	..	..	..	780	71	780	71		
		14	ls.	1.45 p.m.	Dab	..	..	..	163	48	..	..	..	..	..	..	..	211	15	211	15	
					1 hr.	Sole	..	..	..	2	..	..	..	..	..	..	..	2	..	2	..	
						Grey Gurnard	..	..	24	9	..	..	..	..	..	..	..	..	33	..	33	..
XXXIX 3 B 205	S.W. of Horn Reef .. 55° 13 $\frac{1}{2}$ ' N., 7° 16 $\frac{1}{2}$ ' E.	12	f.g.s.	Sept. 15th	Plaice	..	..	201	359	9	..	..	..	..	..	..	569	65	[1505]	172		
		14	f.d.g.s.	6.15 p.m.	Dab	..	..	..	..	..	..	..	..	..	..	..	..	..	..	[Bas- ket. 6	30	
					1 $\frac{1}{2}$ hrs.	Sole	..	..	..	4	2	..	..	..	..	..	..	6	..	6	..	
						Grey Gurnard	..	..	..	..	..	..	..	..	..	..	..	..	..	..	[Bas- ket. 7	28
XXXIX 5 B 206	White Bank .. 54° 56 $\frac{1}{2}$ ' N., 6° 11 $\frac{1}{4}$ ' E.	22	s. & m.	Sept. 16th	Plaice	..	..	..	13	..	1	..	..	..	..	..	..	14	..	14	..	
		22	s. & m.	4.45 a.m.	Dab	..	..	..	183	16	..	..	..	..	..	..	..	199	..	199	..	
					1 $\frac{1}{2}$ hrs.	Turbot	..	..	..	..	1	2	..	..	..	..	..	..	3	..	3	..
						Whiting	..	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
						Ling	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..
						Grey Gurnard	..	..	13	8	..	..	..	..	..	..	..	..	21	..	21	..
						Thornback	..	..	..	..	1	1	1	..	..	..	..	..	3	..	3	..
				Skate	..	..	..	..	..	..	1	1	..	..	..	..	2	..	2	..		
				Spur Dog	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..		
XXXIX 7 O 233	Horn Reef Outer .. 55° 26 $\frac{1}{2}$ ' N., 6° 27 $\frac{1}{4}$ ' E.	21	s. & oz.	Sept. 16th	Plaice	..	..	..	145	14	3	..	..	..	..	..	..	162	35	162	35	
		24 $\frac{1}{2}$	s. & oz.	11 a.m.	Dab	..	..	..	271	24	..	..	..	..	..	..	..	295	15	295	15	
					4 hrs.	Lemon Dab	..	..	..	1	2	..	..	..	..	..	..	3	..	3	..	
				Sole	..	..	..	..	3	1	..	..	..	..	..	..	4	..	4	..		

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.				
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
XXXIX 13 O 239	West of Horn Reef Outer. 55° 24' N., 6° 2' E.	25 $\frac{1}{2}$ f.g.s. & oz.	Sept. 17th 2.40 p.m. 4 hrs.	Plaice ..	..	..	53	43	5	1	..	..	..	..	..	102	38	102	38	
		26 $\frac{1}{2}$ s.m.		Lemon Dab ..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Cod	1	23	24	5	4	57	55	57	55	
				Haddock	9	136	52	7	1	205	133	205	133	
				Whiting	55	69	124	32	[759]	196	
				Hake	1	1	..	1	3	..	3	..	
				Grey Gurnard	1	..	
				Mackerel	1	..
				Skate	1	1	..	1	..	
XXXIX 14 O 240	West of Horn Reef Outer. 55° 26' N., 5° 58' E. Belly torn.	25 $\frac{1}{2}$ f.g.s.	Sept. 17th 7 p.m. 4 $\frac{1}{2}$ hrs.	Plaice ..	..	..	61	75	10	..	..	..	..	..	..	146	53	146	53	
		26 $\frac{1}{2}$ s.m.		Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
				Sole	1	1	..	1	..	
				Witch	2	2	..	2	..	
				Cod	2	Bas-	
				Haddock	3	42	10	1	56	23	kets.	63	
				Whiting	4	Bas-	
				Hake	kets.	120	
				Skate	2	..	
XXXIX 15 O 241	West part of Horn Reef Outer. 55° 27' N., 6° 1' E. Belly torn.	26 $\frac{1}{2}$ s.m.	Sept. 18th 12.30 a.m. 4 $\frac{1}{2}$ hrs.	Plaice ..	..	..	58	63	7	3	..	..	..	..	..	131	53	131	53	
		26 $\frac{1}{2}$ s.m.		Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
				Sole	1	1	..	1	..	
				Cod	2	Bas-	
				Haddock	3	29	15	1	48	30	kets.	68	
				Whiting	3	Bas-	
				Hake	kets.	94	
	Skate ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..		
XXXIX 16 O 242	West of Horn Reef Outer. 55° 33' N., 6° 0' E. Belly torn.	26 $\frac{1}{2}$ s.m.	Sept. 18th 6 a.m. 4 hrs.	Plaice ..	..	..	44	38	3	1	..	..	..	..	..	8	30	86	30	
		26 $\frac{1}{2}$ s.m.		Turbot ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Cod ..	..	..	2	15	8	4	..	..	..	..	..	..	29	20	29	20
				Haddock ..	..	..	3	44	5	2	..	..	..	..	..	..	54	31	54	31
				Whiting ..	..	..	59	64	..	..	..	..	..	..	..	..	123	32	361	94
				Hake ..	..	..	..	..	..	..	1	..	2	2	1	..	6	33	6	33
XXXIX 17 O 243	West of Horn Reef Outer. 55° 34' N., 5° 58' E. Belly torn.	27 s.m.	Sept. 18th 11.30 a.m. 4 $\frac{1}{2}$ hrs.	Plaice ..	..	..	45	67	9	..	..	..	..	..	..	121	50	121	50	
		26 $\frac{1}{2}$ s.m.		Dab ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Lemon Dab ..	..	..	2	1	..	..	..	..	..	..	..	..	3	..	3	..
				Witch ..	..	..	..	1	5	..	..	..	..	..	..	..	6	..	6	..
				Cod ..	..	..	..	12	9	8	8	17	5	2	..	..	61	..	61	..
				Haddock ..	..	..	6	62	20	3	..	..	..	..	..	..	91	59	91	59
				Whiting ..	..	..	38	85	..	..	..	..	..	..	..	..	103	30	[316]	92
				Hake ..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..
				Ling ..	..	..	..	..	..	..	1	2	2	1	3	..	9	..	9	..
XXXIX 18 O 244	West of Horn Reef Outer. 55° 29' N., 5° 55' E. Net torn badly when hauling.	26 $\frac{1}{2}$ s.m.	Sept. 18th 4.45 p.m. 4 $\frac{1}{2}$ hrs.	Plaice ..	..	..	13	38	3	..	..	..	..	..	..	54	25	54	25	
		25 f.g.s. & oz.		Dab ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Witch ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Cod ..	..	..	..	11	7	5	3	2	..	1	..	..	29	..	29	..
				Haddock ..	..	..	3	49	22	5	1	..	..	..	..	..	80	64	[147]	118
				Whiting	1	Basket	
	Mackerel ..	..	..	..	6	2	..	..	..	..	..	..	..	8	..	8	..			
XXXIX 19 O 245	West part of Horn Reef Outer. 55° 21' N., 6° 18' E. Belly torn.	22 f.g.s. & oz.	Sept. 19th 8 a.m. 3 $\frac{1}{2}$ hrs.	Plaice ..	..	..	14	4	..	1	..	..	..	..	..	19	8	19	8	
		26 s. & oz.		Cod ..	..	..	..	2	5	..	..	..	..	..	..	..	7	6	7	6
				Haddock ..	..	..	2	33	10	..	1	..	..	..	..	..	46	32	46	32
				Whiting ..	..	..	66	54	2	..	..	..	..	..	..	..	122	33	[196]	53
				Mackerel ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.			
					Cm. ..	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
XXXIX 20 O 246	West part of Horn Reef Outer. 55° 25' N., 6° 12' E. Belly torn.	26	s. & oz.	Sept. 19th	Plaice	..	..	23	17	2	..	..	..	..	..	..	42	15	42	15
		23	s. & oz.	noon.	Cod	2	1	2	5	6	5	6
				4 1/2 hrs.	Haddock	1	54	26	4	1	86	65	86	65
					Whiting	39	75	2	116	33	116	33
XXXIX 21 B 207	West part of Horn Reef Outer. 55° 25' N., 6° 34' E.	23	f.g.s.	Sept. 19th	Plaice	..	..	38	55	3	1	..	..	..	..	..	97	36	97	36
		26	s.m.	4.45 p.m.	Cod	..	..	..	3	8	2	2	..	..	1	..	16	18	16	18
				5 1/2 hrs.	Haddock	..	..	..	48	9	..	1	..	..	..	..	58	35	58	35
					Whiting	..	..	..	2	6	..	..	..	..	..	..	8	..	8	..
XXXIX 22 B 208	West part of Horn Reef Outer. 55° 25' N., 6° 18' E. (Fish not measured).	26	s.m.	Sept. 19th	Plaice	..	..	..	..	..	..	..	..	..	..	..	..	..	1 1/2 Bas-	50
		25	s. oz.	10.30 p.m. (19th). 5 hrs.	Cod	..	..	..	..	..	..	..	..	..	..	..	..	..	1 Bas-	..
					Haddock	1 1/2 Bas-	46
					Whiting	1 Bas-	..
XXXIX 23 B 209	S.E. of Tail end of Dogger Bank. 55° 23' N., 5° 44' E.	25	s. & oz.	Sept. 20th	Plaice	..	..	16	22	2	..	..	..	..	..	..	40	17	40	17
		23	s. & oz.	4.15 a.m.	Cod	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..
				4 1/2 hrs.	Haddock	..	..	..	1	8	7	2	..	..	..	..	18	13	18	13
XXXIX 24 B 210	S.E. of Tail end of Dogger Bank. 55° 19' N., 5° 29' E.	23	s. & oz.	Sept. 20th	Plaice	..	..	3	15	7	..	..	..	..	..	..	25	16	25	16
		23	f.d.s. & oz.	9.15 a.m.	Dab	..	..	..	..	..	..	..	..	..	..	..	..	..	Few	..
				4 1/2 hrs.	Lemon Dab..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Cod	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..
					Haddock	..	..	..	7	1	..	..	..	..	..	..	8	..	8	..
XXXIX 25 B 211	S.E. of Tail end of Dogger Bank. 55° 16' N., 5° 13' E.	23	f.d.s. & oz.	Sept. 20th	Plaice	..	..	..	27	2	..	..	..	..	..	..	29	18	29	18
		23	f.d.s. & oz.	2.30 p.m.	Dab	..	..	..	3	1	..	..	..	..	..	..	4	..	4	..
				4 hrs.	Lemon Dab..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Sole	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Cod	..	..	..	1	..	1	..	..	..	..	..	2	..	2	..
					Haddock	..	..	..	4	2	..	..	..	..	..	..	6	..	6	..
XXXIX 26 B 212	S.E. of Tail end of Dogger Bank. 55° 11' N., 5° 4' E.	23	f.d.s. & oz.	Sept. 20th	Plaice	..	..	1	51	4	..	..	..	..	..	..	56	30	56	30
		25	f.s. & oz.	7 p.m.	Cod	..	..	..	3	6	3	3	1	..	..	..	16	29	16	29
				4 hrs.	Haddock	..	..	..	2	82	25	..	..	..	..	..	109	65	[220]	131
XL 1 B 213	Extreme South of Leman Ground. 53° 41' N., 2° 49' E.	17	f.d.g.s.	Sept. 27th	Plaice	..	..	2	11	..	..	..	..	..	..	..	13	..	13	..
		15	f.d.g.s.	7.45 p.m.	Dab	..	..	..	62	1	..	..	..	..	..	..	63	..	63	..
				1 1/2 hrs.	Sole	..	..	..	2	2	1	..	..	..	..	..	5	..	5	..
					Brill	..	..	..	..	..	..	1	..	..	..	..	1	..	1	..
					Whiting	..	..	..	17	..	..	..	..	..	..	..	17	..	17	..
					Thornback	..	..	..	5	..	..	..	..	..	..	..	5	..	5	..
					Spur Dog	..	..	..	5	4	..	..	..	..	..	..	9	..	9	..
XL 2 B 214	Extreme South of Leman Ground. 53° 6 1/2' N., 2° 48 1/2' E.	15	f.d.g.s.	Sept. 27th	Plaice	..	..	2	8	22	..	..	..	..	..	..	32	10	32	10 (gut-
		16	f.d.g.s.	10 p.m. (27th). 4 1/2 hrs.	Dab	..	..	..	688	15	..	..	..	..	..	..	683	25	683	25
					Sole	..	..	..	3	7	..	..	..	..	..	..	10	..	10	..
					Whiting	..	..	..	3	122	9	..	..	..	..	..	134	18	134	18
					Grey Gurnard	..	..	..	3	2	..	..	..	..	..	..	5	..	5	..
					Latchet	..	..	..	2	..	2	1	..	..	..	..	5	..	5	..
					Thornback	36	..	(many small.)
XL 4 B 215	S.E. part of Leman Ground. 53° 11' N., 2° 58' E.	17	f.d.s.	Sept. 25th	Plaice	..	..	8	23	2	..	..	..	..	..	..	33	..	33	..
		17	f.d.s.	5.30 a.m.	Dab	..	..	2	154	7	..	..	..	..	..	..	163	7 1/2	163	7 1/2
				2 hrs.	Sole	..	..	..	1	1	..	..	..	..	..	..	2	..	2	..
					Brill	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Whiting	..	..	..	8	2	..	..	..	..	..	..	10	..	10	..
					Grey Gurnard	..	..	..	2	..	..	..	..	..	..	..	2	..	2	..
					Greater Weever. Spur Dog	2	..	4

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	Cm. ..										Measured.		Total Catch.			
					0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	No.	Kg.	No.	Kg.	
XL 5	S.E. part of Leman Ground.	17 | f.d.s.	Sept. 28th	Plaice				1	11	4							16	..	16	..
B 216	53° 11 $\frac{1}{2}$ ' N., 2° 58 $\frac{1}{2}$ ' E.	17 | f.d.s.	8 a.m.	Dab	165		8										173	..	173	..
			2 hrs.	Turbot				1									1	..	1	..
				Whiting				1	2								3	..	3	..
				Grey Gurnard				3									3	..	3	..
				Spur Dog															2	..
				Tope															1	..
XL 8	S.E. of Swarte Bank	17 | f.d.s.	Sept. 28th	Plaice			9	23									32	..	32	..
B 217	53° 13 $\frac{1}{2}$ ' N., 2° 50 $\frac{1}{2}$ ' E.	16 | f.d.s.	11 a.m.	Dab	1	93	5										99	..	99	..
			2 hrs.	Sole			1	1									2	..	2	..
				Turbot					2								2	..	2	..
				Latchet			2										2	..	2	..
				Spur Dog															11	(small)
				Tope															2	..
XL 10	East of Swarte Bank	16 | f.d.s.	Sept. 28th	Plaice			21	39	4								64	..	64	..
B 218	53° 19 $\frac{1}{2}$ ' N., 2° 39 $\frac{1}{2}$ ' E.	16 | f.d.s.	2 p.m.	Dab	168	9											177	..	177	..
			2 hrs.	Turbot				1									1	..	1	..
				Whiting			4										4	..	4	..
				Grey Gurnard		5	3										8	..	8	..
				Latchet			1										1	..	1	..
				Greater Weever..			3										3	..	3	..
				Thornback	2	4											6	..	6	..
XL 11	East of Swarte Bank	16 | f.d.s.	Sept. 28th	Plaice			3	29	5	1							38	..	39	..
B 219	53° 23 $\frac{1}{2}$ ' N., 2° 33 $\frac{1}{2}$ ' E.	15 | f.d.s.	4.15 p.m.	Dab														1	Bas	ket
			2 hrs.	Sole															2	..
				Turbot															1	(small)
				John Dory			1										1	..	1	..
				Greater Weever..															3	..
XL 13	Leman Ground	15 | f.d.s.	Sept. 29th	Plaice			2	23	42	8							75	35	75	35
B 220	53° 26 $\frac{1}{2}$ ' N., 2° 31 $\frac{1}{2}$ ' E.	12 | f.s.p.k.s.	5.45 a.m.	Dab			523	72									595	37	595	37
		15 | f.d.s.	5 hrs.	Whiting			5	7	1								13	..	13	..
				Grey Gurnard			9	5									14	..	14	..
				Greater Weever..			5										5	..	5	..
XL 14	Leman Ground	15 | f.d.s.	Sept. 29th	Plaice			22	69	7								98	40	98	40
B 221	53° 25 $\frac{1}{2}$ ' N., 2° 39' E.	17 | f.d.s.	11.15 a.m.	Dab			562	50	1								613	32	613	32
		14 | f.d.s.	5 hrs.	Sole					1								1	..	1	..
				Turbot					1	1		1					3	..	3	..
				Whiting			1	2	1								4	..	4	..
				Grey Gurnard			3	7									10	..	10	..
				Greater Weever..			3	1									4	..	4	..
				Thornback			1	2									3	..	3	..
				Spur Dog						1							1	..	1	..
				Tope							1						1	..	1	..
XL 17	Lynn Deep	15 | d.c.s. & ross.	Sept. 30th	Sole			1										1	..	1	..
B 222	52° 59 $\frac{1}{2}$ ' N., 0° 23' E.	19 | d.c.s. & ross.	1.30 p.m.																	
	Ground rope parted, net badly torn.	15 | d.c.s. & ross.	1 $\frac{1}{2}$ hrs.																	
XL 41	Off Sutton	5 | s.gvl.	Oct. 4th	Plaice			5										5	..	5	..
B 224	53° 16 $\frac{1}{2}$ ' N., 0° 23 $\frac{1}{2}$ ' E.	9 | s.gvl.	1.30 p.m.	Dab				2									2	..	2	..
	Pull out, net badly torn.		1 hr., 50 mins.	Sole				2									2	..	2	..
				Whiting				3									3	..	3	..
				Grey Gurnard				9	9								18	..	18	..
				Thornback				1	2	1							4	..	4	..
				Spur Dog							1	19	8	2			30	..	140	..

TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15½+	19½+	23½+	27½+	31½+	35½+	39½+	Measured.		Total Catch.	
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.
XL 42	Off Mablethorpe ..	5 | s.m.	Oct. 5th	Plaice ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
B 225	53° 18¼' N., 0° 19¾' E.	7 | s.m.	6.45 a.m.	Flounder ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
			1 hr.	Whiting ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard ..	..	..	2	3	..	..	..	..	..	..	..	5	..	5	..
				Thornback ..	..	..	7	..	..	..	..	..	..	..	..	7	..	7	..
				Skate ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Spur Dog ..	..	..	3	20	5	..	..	..	..	..	..	28	..	28	..
XL 44	Off Mablethorpe ..	7 | s.gvl.	Oct. 5th	Plaice ..	..	19	6	..	..	..	..	..	..	..	..	25	..	25	..
B 226	53° 23¼' N., 0° 21' E.	8 | s.gvl.	9.15 a.m.	Dab ..	..	5	6	..	..	..	..	..	..	..	..	11	..	11	..
			2 hrs.	Sole ..	..	..	11	..	..	..	..	..	..	..	..	11	..	11	..
				Brill ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Cod ..	..	..	40	..	..	..	..	..	..	..	..	40	..	40	..
				Grey Gurnard ..	..	2	5	..	..	..	..	..	..	..	..	7	..	7	..
				Thornback ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Homelyn ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Spur Dog ..	..	..	..	..	..	5	10	2	..	..	..	17	..	919	..
XL 45	Off Inner Dowsing Light-vessel.	11½ | c.s.	Oct. 5th	Plaice ..	..	5	7	..	..	..	..	..	..	..	..	12	..	12	..
B 227	53° 21¼' N., 0° 38' E.	14 | c.s.m.	1.30 p.m.	Dab ..	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..
			2 hrs.	Lemon Dab..	..	7	7	..	..	..	..	..	..	..	..	14	..	14	..
				Sole ..	..	..	9	..	..	..	..	..	..	..	..	9	..	9	..
				Cod ..	..	..	6	..	..	..	..	..	..	..	..	6	..	6	..
				Grey Gurnard ..	..	4	2	..	..	..	..	..	..	..	..	6	..	6	..
				Homelyn ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
XLI 1	Flamborough Head Ground.	27 | c.s.gvl.	Oct. 15th	Plaice ..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
B 229	54° 8' N., 0° 13¼' E.	28 | c.s.gvl.	4.45 p.m.	Dab ..	..	1	..	1	..	..	..	..	..	..	..	2	..	2	..
	Belly badly chafed.		1¼ hrs.	Sole ..	..	..	..	1	..	..	..	..	..	..	..	1	1	1	1
				Cod ..	..	..	3	..	..	..	..	..	..	..	..	3	..	3	..
				Pout ..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard ..	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
XLI 5	Flamborough Off ..	30 | f.g.s., sh.	Oct. 16th	Plaice ..	..	..	2	4	8	1	..	..	..	..	..	15	..	15	..
B 230	54° 8½' N., 0° 33¼' E.	30 | f.g.s., sh.	8.15 a.m.	Dab ..	..	92	5	..	..	..	..	..	..	..	..	97	..	97	..
	Net slightly torn, broke fore roller.		2 hrs.	Lemon Dab..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Sole ..	..	..	1	6	..	..	..	..	..	..	..	7	..	7	..
				Turbot ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Long Rough Dab.	..	..	3	..	..	..	..	..	..	..	..	3	..	3	..
				Cod ..	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
				Haddock ..	..	..	2	2	..	..	..	..	..	..	..	4	..	4	..
				Whiting ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard ..	..	16	27	1	..	..	..	..	..	..	..	44	..	44	..
				Greater Weaver.	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Thornback ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Angler ..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..
XLI 6	Flamborough Off ..	50 | f.g.s., sh.	Oct. 16th	Plaice ..	..	..	7	3	..	..	..	..	..	..	..	10	..	10	..
B 231	54° 8½' N., 0° 41¾' E.	29 | g.spk.s., sh.	11.15 a.m.	Dab ..	..	64	6	1	..	..	..	..	..	..	..	71	..	71	..
			2 hrs.	Lemon Dab..	..	..	1	3	..	..	..	..	..	..	..	4	..	4	..
				Sole ..	..	..	1	2	..	..	..	..	..	..	..	3	..	3	..
				Brill ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Cod ..	..	..	3	2	..	..	..	..	..	..	..	5	..	5	..
				Haddock ..	..	1	3	..	..	..	..	..	..	..	..	4	..	4	..
				Grey Gurnard ..	..	16	19	..	..	..	..	..	..	..	..	35	..	35	..
				Angler ..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
XLI 7	Flamborough Off ..	29 | g.spk.s. & sh.	Oct. 16th	Plaice ..	..	..	6	3	1	..	..	..	..	..	..	10	..	10	..
B 232	54° 8' N., 0° 44' E.	28 | g.br.s.	1.40 p.m.	Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	Few.	..
			2 hrs.	Lemon Dab..	..	..	2	2	..	..	..	..	..	..	..	4	..	4	..
				Sole ..	..	..	2	2	..	..	..	..	..	..	..	4	..	4	..

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..												Measured.		Total Catch.			
				0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	No.	Kg.	No.	Kg.			
				Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+						
XLI 7 B 232	Flamborough Off— cont. 54° 8' N., 0° 44' E.	29 | g.spk.s. 28 | & sh. g.brs.	Oct. 16th 1.40 p.m. 2 hrs.	Turbot ..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..		
				Cod ..	..	..	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..
				Haddock ..	..	1	1	..	..	..	..	..	..	..	..	..	..	2	..	2	..
				Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Few	..
				Angler ..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
XLI II B 233	Flamborough Off .. 54° 4' N., 0° 45½' E.	30 | g.spk.s. 25 | g.s. & sh.	Oct. 18th 8 a.m. 2 hrs.	—	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				—	
XLI 12 B 234	Flamborough Off .. 54° 10½' N., 0° 54½' E.	25 | g.s. & sh. 27 | g.spk.s.	Oct. 18th. 11 a.m. 2 hrs.	Lemon Dab..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..		
				
XLI 13 B 235	Flamborough Off .. 54° 9½' N., 0° 59¾' E. Belly torn.	27 | g.spk.s. 25½ | d.g.s.	Oct. 18th 1.30 p.m. 2 hrs.	Plaice ..	..	..	..	12	2	..	..	..	..	..	..	14	..	14	..		
				Dab ..	..	115	2	..	..	..	..	..	..	..	..	..	117	..	117	..	
				Lemon Dab..	..	..	1	3	..	..	..	..	..	..	..	..	..	4	..	4	..
				Cod ..	..	..	10	1	..	..	..	..	..	..	..	..	..	11	..	11	..
				Haddock ..	..	..	1	2	3	..	..	..	..	..	..	..	..	6	..	6	..
				Grey Gurnard ..	..	14	8	..	..	..	..	..	..	..	..	..	..	22	..	22	..
XLI 14 B 236	Flamborough Off .. 54° 6½' N., 1° 1½' E.	25½ | d.g.s. 26 | d.g.s.	Oct. 18th. 4.15 p.m. 2 hrs.	Plaice ..	..	..	..	12	2	..	..	..	..	..	..	14	..	14	..		
				Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	461	..	
				Lemon Dab..	..	..	..	3	..	..	..	..	..	..	..	..	..	3	..	3	..
				Long Rough Dab.	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Cod ..	..	..	12	4	..	..	..	..	..	..	..	..	..	16	..	16	..
				Whiting ..	..	1	4	..	..	..	..	..	..	..	..	..	..	5	..	5	..
				Greater Weever	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Skate..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
XLI 15 B 237	Flamborough Off .. 54° 4½' N., 1° 0¾' E.	26 | d.g.s. 23 | d.g.s.	Oct. 18th 6.45 p.m. 2 hrs.	Plaice ..	..	..	1	9	2	1	1	..	..	..	..	14	..	14	..		
				Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	½ Basket	..	
				Lemon Dab..	..	..	1	1	..	..	..	..	..	..	..	..	..	2	..	2	..
				Sole ..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Cod ..	..	..	10	1	..	..	..	..	..	..	..	..	..	11	..	11	..
				Whiting ..	..	1	16	2	..	..	..	..	..	..	..	..	..	19	..	19	..
				Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Few	..
				Skate..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
XLI 16 B 238	Flamborough Off .. 54° 2½' N., 1° 4' E.	26 | g.s.m. 26 | g.s.m.	Oct. 18th 6.45 a.m. 2 hrs.	Plaice ..	..	..	..	21	2	..	..	..	..	..	..	23	..	23	..		
				Dab ..	..	90	..	..	..	..	..	..	..	..	..	..	90	..	2½ Bas- kets.	84	
				Lemon Dab..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Sole ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Cod ..	..	..	2	..	..	..	..	..	..	..	..	..	..	2	..	2	..
				Grey Gurnard ..	..	26	4	..	..	..	..	..	..	..	..	..	..	30	..	30	..
XLI 17 B 239	Flamborough Off .. 54° 1½' N., 0° 58¾' E.	26 | g.s.m. 26½ | g.s.m.	Oct. 19th 9.15 a.m. 2 hrs.	Plaice ..	..	..	..	9	1	1	..	..	..	..	..	11	..	11	..		
				Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1½ Bas- kets.	44	
				Lemon Dab..	..	..	2	3	..	..	..	..	..	..	..	..	..	5	..	5	..
				Sole ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Cod ..	..	..	5	2	..	..	..	..	..	..	..	..	..	7	..	7	..
				Whiting ..	..	..	3	..	..	..	..	..	..	..	..	..	..	3	..	3	..
XLI 18 O 247	Dogger Bank, S.E. of S.W. Patch. 54° 20' N., 2° 20¾' E.	17 | g.s.sh. 16 | g.s.sh. 17 | g.s.sh.	Oct. 19th 7.15 p.m. 4¾ hrs.	Plaice ..	..	..	5	39	24	4	..	..	..	..	..	72	54	72	54		
				Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1½ Bas- kets.	57	
				Sole ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Cod ..	..	4	2	23	1	1	..	..	..	..	..	..	..	31	17	31	17
				Haddock ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	½ Bas- ket.	15
				Whiting ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2 Bas- kets.	61
				Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Few	..
Herring ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..				

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. . .	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.				
					Cm. . .	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
XLI 19 O 248	Dogger Bank, S.E. of S.W. Patch. 54° 18' N., 2° 27' E.	17 | g.s.sb.	Oct. 20th 1.15 a.m. 4 1/2 hrs.	Plaice			1	17	7	1						26	20	26	20			
		17 | g.s.sb.		Dab																1 1/2 Baskets,	39	
		18 | s.gvl.		Lemon Dab		1	5										6			6		
				Turbot					1								1			1		
				Cod		4	109	33	22	5	1						174	158		174	158	
				Haddock																3 1/2 Baskets,	121 1/2	
				Whiting																1 Basket,	36	
				Grey Gurnard																Few		
				Latchet					1									1		1		
				Mackerel					1									1		1		
	Horse Mackerel					1									1		1					
	Herring			20											20		[150]	28 1/2				
XLI 20 O 249	Dogger Bank, South of S.W. Patch. 54° 19' N., 2° 21' E.	18 | s.gvl.	Oct. 0th 0 a.m. 5 hrs.	Plaice			1	5	4	2						12	12 1/2	12	12 1/2			
		17 | g.s.		Dab															1 Basket,	25 1/2		
				Lemon Dab		3	14										17			17		
				Turbot				1	1								2			2		
				Cod		1	137	24	30	7	1						200	170 1/2		200	170 1/2	
				Haddock																2 1/2 Baskets,	88	
				Whiting																	22 1/2	
				Grey Gurnard																	Few	
				Horse Mackerel																	1	
				Herring																	Basket,	36
				Angler																	2	
XLI 21 O 250	Dogger Bank, South of S.W. Patch. 54° 20' N., 2° 18' E.	17 | g.s.	Oct. 20th noon. 4 1/2 hrs.	Plaice				12	4							16		16				
		17 | g.spk.s.		Dab															1 Basket,	33 (gutted),		
				Lemon Dab		3	9										12	7	12	7		
				Turbot						1							1	4 1/2		4 1/2		
				Brill					1	1							2	6		2		
				Cod		5	59	2									66	27		66	27 (gutted),	
				Haddock		40	32	7									79	27		79	27	
				Whiting																1/2 Basket,	14 (gutted),	
				Mackerel		1											1			1		
Also about 4 Baskets of small Whiting, Dabs, and Grey Gurnard.																						
XLI 22 O 251	Dogger Bank, South of S.W. Patch. 54° 18' N., 2° 24' E.	17 | g.spk.s.	Oct. 20th 5 p.m. 5 hrs.	Plaice				12	9	1						22	27	22	27			
		18 | g.spk.s., sh.		Dab																	20	
		17 | g.spk.s.		Lemon Dab		1	1										2			2		
				Turbot						1							1			2		
				Brill					1								1			1		
				Cod		5	131	17	6								159	98		159	98	
				Haddock																3 Baskets,	26	
				Whiting																	22	
				Mackerel			1										1			1		
Also about 6 Baskets of small Whiting, Dabs, and Grey Gurnard.																						
XLI 23 O 252	Dogger Edge of Clay Deep. 55° 0' N., 3° 37' E.	22 | f.g.s.	Oct. 21st 6.15 a.m. 4 hrs.	Plaice			4	24	5							33	20	33	20			
		20		Dab																about 1 basket		
		22 | f.g.s.		Cod				2	1	3	1					7	17					
				Haddock																2 Baskets,	62	
				Whiting																Few		
				Grey Gurnard																Few		
				Mackerel			1										1			1		
XLI 24 O 53	Dogger Edge of Clay Deep. 55° 14' N., 3° 41' E.	22 | f.g.s.	Oct. 21st 11.30 a.m. 5 hrs.	Plaice			3	19	10	2	1					35	30	25	30			
		19 | f.g.s.		Lemon Dab		3										3			3			
		18 | f.g.s.		Turbot				1								1			1			
				Cod				1	6	2	2	2				13	22		13	22		
				Haddock																1 1/2 Basket,	27	
	Whiting			2	35	2								39	17		39	17				

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.		
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.
XLI 24 O 253	Dogger Edge of Clay Deep—cont. 55° 1½' N., 3° 41½' E.	22 19 18	f.g.s. f.g.s. f.g.s.	Oct. 21st 11.30 a.m. 5 hrs.	Grey Gurnard Mackerel Horse Mackerel. Herring	..	..	..	..	..	..	..	..	..	..	..	..	..	Few 1 1 2	........
Also about ½ Basket of small Dabs and Whiting.																				
XLI 25 O 254	Dogger Edge of Clay Deep. 55° 2¾' N., 3° 47¾' E. Had a pull out, hauled, net all right.	23 23	f.g.s. f.g.s.	Oct. 21st 5 p.m. 2¼ hrs.	Plaice Cod Haddock Whiting Grey Gurnard	..	..	1	2	..	..	..	..	..	..	..	3	..	3 3 (Medium), ½ Baskets, 153½	........
XLI 26 O 255	Borkum Outer 54° 7¾' N., 5° 42' E.	20 19 20	f.g.s. & oz. f.g.s. f.g.s. m.	Oct. 22nd 10 a.m. 3 hrs.	Plaice Dab Sole Turbot Cod Grey Gurnard Spur Dog Tope	..	..	2	150	13	..	..	..	..	..	..	165	32	165 Few (small), 11 12 3 Few (small), 4 2	32 15
XLI 27 O 256	Borkum Outer 54° 7¾' N., 5° 44' E.	20 20 20	f.g.s. m. f.g.s. f.g.s. & oz.	Oct. 22nd 2 p.m. 4 hrs.	Plaice Sole Turbot Grey Gurnard Thornback	..	..	131	15	..	..	..	..	..	..	..	146	30	146 14 7 Few 1	30 .. 8
Also about 1 Basket of small Dabs and Whiting.																				
XLI 28 O 257	Borkum Outer 54° 11' N., 6° 2¾' E.	20 20 20	f.g.s. oz. f.g.s. m. f.g.s. m.	Oct. 22nd 6.30 p.m. 5 hrs.	Plaice Sole Turbot Brill Grey Gurnard	..	..	4	158	28	..	..	..	..	..	..	190	37	190 16 8 1 Few	37 .. 8½
Also about ¾ Basket of small Dabs and Whiting.																				
XLI 29 O 258	North of Borkum Flat. 54° 13½' N., 6° 14½' E.	20 20 21	f.g.s. m. f.g.s. oz. f.g.s. oz.	Oct. 23rd 12.15 a.m. 5 hrs.	Plaice Dab Sole Turbot Brill Whiting	..	..	2	159	25	..	..	..	..	..	..	186	35	186 Few 19 9 7 Few	35 .. 5 (gut- ted), 12 (gut- ted), 4 (gut- ted). ..
XLI 30 O 259	North of Borkum Flat. 54° 19' N., 6° 18½' E.	21 21 21	f.g.s. oz. f.g.s. m. f.g.s. m.	Oct. 23rd 5.45 a.m. 5 hrs.	Plaice Dab Sole Turbot Brill Whiting Grey Gurnard Latchet Shad Spur Dog Tope	..	..	108	50	1	..	..	..	..	..	..	159	41	159 about 1 Bas- ket, 18 3½ 2 .. ½ Bas- ket, Few 3 2 9 7	41 (small) 3½ 25 .. 15
XLI 31 O 260	North of Borkum Flat. 54° 20¼' N., 6° 12½' E.	21 21 21½	f.g.s. m. f.g.s. m. f.g.s. m.	Oct. 23rd 11.15 a.m. hrs.	Plaice Sole Turbot Latchet Mackerel Horse Mackerel. Thornback Spur Dog Tope	..	..	28	29	..	..	..	..	..	..	..	57	17	57 7 14 3 1 1 3 1 16	17 .. 20 34 ..

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.					
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.			
XLI 32 O 261	North of Borkum Flat. 54° 18½' N., 6° 11½' E.	21½ f.g.s., m.	Oct. 23rd	Plaice .. ..	..	..	31	22	..	..	..	..	..	..	..	..	53	14	53	14		
				Sole .. ..	..	..	9	6	1	..	..	..	..	..	..	..	..	..	16	4	16	4
				Turbot .. ..	..	..	7	2	1	..	..	..	..	..	..	..	..	..	10	15½	10	15½
				Brill .. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard	Few	..
				Latchet	1	1	..	1	..
				Thornback	3	..
				Skate..	1	1	10	1	10
				Spur Dog	1	1	..	10	..
				Tope	4	..
About 1½ Baskets small Dabs and Whiting.																							
XLI 33 O 262	Borkum, Outer .. 54° 13½' N., 6° 29½' E.	22 f.g.s., m.	Oct. 23rd & 24th. 10.15 p.m. (23rd.) 6 hrs.	Plaice .. ..	..	..	107	16	1	..	..	..	..	..	..	..	124	24	124	24		
				Sole .. ..	..	..	13	4	..	..	..	..	..	..	..	..	..	..	17	3	17	3
				Turbot .. ..	..	..	12	7	..	..	..	..	..	..	..	..	..	..	19	21	19	21
				Brill .. ..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	2	..	2	..
				Haddock	2	..
				Latchet	1	1	..	1	..
				Skate..	1 (large)
				Spur Dog	3 (small)
Also 1 Basket of small Dabs, Whiting, and Grey Gurnard.																							
XLII 1 B 240	Brighton 50° 41½' N., 0° 13½' W.	12 e.s. 15½ e.s.m.	Oct. 28th 7.10 a.m. 2 hrs.	Plaice .. ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..		
				Dab .. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Sole .. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Brill .. ..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	2	..	2	..
				Whiting .. ..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	2	..	2	..
				Pout .. ..	..	1	4	..	..	..	..	..	..	..	..	..	..	..	5	..	5	..
				Grey Gurnard .. ..	..	..	7	..	..	..	..	..	..	..	..	..	..	..	7	..	7	..
				Red Gurnard .. ..	..	..	7	4	..	..	..	..	..	..	..	..	..	..	11	..	11	..
				Latchet .. ..	..	..	5	1	1	..	..	..	..	..	..	..	..	..	7	..	7	..
				Greater Weever. Thornback .. ..	..	..	6	..	..	..	..	..	..	..	..	..	..	..	9	..	9	..
				Skate.. ..	..	..	17	33	6	1	..	..	..	..	..	..	..	..	57	..	57	..
				Spur Dog	1	..
				Tope	3	..
Nursehound .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	..			
XLII 2 B 241	Brighton Outer .. 50° 37½' N., 0° 28½' W.	24 m. 30 s.m.	Oct. 28th 10 a.m. 2 hrs.	Plaice .. ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..		
				Dab .. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Sole .. ..	..	..	2	3	2	..	..	..	..	..	..	..	..	..	7	..	7	..
				Turbot .. ..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Whiting .. ..	..	..	..	4	1	..	..	..	..	..	..	..	..	..	5	..	5	..
				Pout .. ..	..	..	24	24	..	..	..	..	..	..	..	..	..	..	48	..	48	..
				Red Gurnard .. ..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
				Horse Mackerel Thornback .. ..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	2	..	2	..
				Skate .. ..	..	..	3	2	..	..	..	..	..	..	..	..	..	..	5	..	5	..
				Spur Dog	10	..
Nursehound .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..			
XLIII 3 B (c.) 242	Teignmouth Bay .. 50° 30½' N., 3° 28½' W. Covered net experi- ment, No. 8.	7 s.m. 4 s.m. 7 s.m.	Nov. 11th 11.45 a.m. 1½ hrs.	Plaice .. ..	..	..	9	6	..	1	..	..	..	..	..	..	16	..	17	..		
				Dab .. ..	..	..	39	27	..	..	..	..	..	..	..	..	..	..	66	..	66	..
				Brill .. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Whiting .. ..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
				Latchet .. ..	..	..	6	..	..	..	..	..	..	..	..	..	..	..	6	..	6	..
				Conger .. ..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
Thornback .. ..	..	..	4	15	4	..	..	..	..	..	..	..	..	..	23	..	23	..				
Skate.. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..				

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.				
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
XLI 4 B 243	Teignmouth Bay .. 50° 30' N., 3° 28' W.	7 | s.m.	Nov. 11th 2.15 p.m. 2½ hrs.	Plaice			27	19	1	1						48		48				
		7-4½		Dab			96	23									119		119			
		7 | s.m.		Sole				1										1		1		
				Brill																1	(small)	
				Whiting			3	3											6		6	
				Grey Gurnard			1												1		1	
				Latchet					16										16		16	
				Sprat																	1	
				Thornback			19	23	3	1									46		46	
				Ray sp.						1									1		1	
				Angel																	3	
				Spur Dog																	30	
	Nursehound																	1				
XLI 3 B 244	South of Eastern Deep Water. 52° 16' N., 3° 18' E.	15½ | f.d.s.	Nov. 17th 7 a.m. 2 hrs.	Plaice			32	17	1							50		50				
		16½ |		Dab			26	9									35	3	35	3		
		18 | f.d.s.		Whiting			1	5										6		6		
				Grey Gurnard			3	2										5		5		
				Greater Weever. Herring			5	48	3									56	7	56	7	
				Thornback					1									1		1		
									1									1		1		
XLI 5 B 245	Eastern Deep Water 52° 17' N., 3° 7' E.	18 | f.s., cl., sh.	Nov. 17th 3 p.m. 2 hrs.	Plaice			25	14								39		39				
		18½ | f.spk.s.		Dab			40	10									50	[4]	50	[4]		
				Sole					1									1		1		
				Turbot						1								1		1		
				Brill						1								1		1		
				Whiting			3	18	5									26	5	26	5	
				Grey Gurnard			7	6										13	2½	13	2½	
				Greater Weever. Herring					7	1								8		8		
XLIV 1 B 247	Off Sandettie Light-vessel. 51° 13' N., 1° 50' E.	19 | gvl.	Nov. 26th 7.45 a.m. 1 hr.	Plaice			42	56								98	29	98	29			
		20½ | gvl.		Dab			1										1		1			
				Lemon Dab			1	3	1									5		5		
				Sole					1									1		1		
				Brill						1								1		1		
				Cod							3					1		4	13½	4	13½	
				Whiting			1		4	2								7	4	7	4	
				Pout					82	52	4							138	17	138	17	
				Grey Gurnard			1											1		1		
				Latchet					1	2								4		4		
XLIV 3 B 248	N.W. of Sandettie Light-vessel. 51° 15' N., 1° 48' E.	21 | c.s.	Nov. 26th noon 1 hr.	Plaice			38	43	3							84	28½	84	28½			
		21 | c.s.		Lemon Dab				5	1								6		6			
				Cod					1									1		1		
				Whiting					5	8	2							15	5½	15	5½	
				Pout and Poor Cod. Thornback					105	57	2							164	21½	164	21½	
				Homelyn							1							1		1		
				Angler												1		1		1		
				Spur Dog								2						2		2		
				Lesser Spotted Dog. Herring									1	1				2		2		
		XLIV 12 B 250		Lowestoft Deep Water. 52° 21' N., 2° 6' E.	21 | br.spk.s.	Dec. 1st 11.45 a.m. 4½ hrs.	Plaice			1	2	3	2						8	9	8	9
20 | d.s.	Dab						4	5									9		9			
20 | s.m., sh.	Lemon Dab							1	1								2		2			
	Sole								23	3	1							27	6	27	6	

TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15½+	19½+	23½+	27½+	31½+	35½+	39½+	Measured.		Total Catch.			
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.	
XLIV 12 B 250	Lowestoft Deep Water—cont. 52° 21' N., 2° 6½' E.	21	br.spk.s.	Dec. 1st	Turbot	..	..	..	..	1	..	..	..	..	..	..	1	2	1	2	
		20	d.s.	11.45 a.m.	Cod	..	..	5	..	6	4	7	3	2	..	..	..	27	43	27	43
		20	s.m.sh.	4½ hrs.	Whiting	..	..	34	112	21	2	1	..	..	..	..	..	170	42	170	42
					Pout	..	..	17	3	..	..	..	..	..	..	..	..	20	..	20	..
					Sprat	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
					Conger	..	..	..	..	..	..	1	..	1	..	..	..	2	..	2	..
					Thornback	..	2	9	27	14	2	..	..	..	..	..	..	54	..	54	..
					Skate	..	..	3	1	..	..	1	..	..	..	..	..	5	..	5	..
					Homelyn	..	..	..	4	..	..	..	..	..	..	..	..	4	..	4	..
					Spur Dog	..	..	..	..	6	3	..	1	1	..	1	..	12	..	12	..
			Lesser Spotted Dog.	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..		
XLIV. 14 B 251	Edge of Deep Water 52° 21' N., 2° 27½' E.	19	s.m.gvl.	Dec. 2nd	Plaice	..	..	1	4	3	..	..	..	..	..	..	8	..	8	..	
		19½	sgvl.	9 a.m.	Dab	..	..	3	..	..	..	..	..	..	..	..	3	..	3	..	
				4 hrs.	Lemon Dab	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Sole	..	..	..	9	4	1	..	..	..	..	..	..	14	..	14	..
					Cod	..	..	..	1	8	31	10	14	15	5	1	2	87	255	87	255
					Whiting	..	..	1	76	56	6	..	..	..	..	..	..	139	11	[543]	43
					Pout	..	..	4	9	..	..	..	..	..	..	..	..	13	..	13	..
					Thornback	..	..	3	18	9	..	..	..	..	..	..	..	30	..	30	..
					Skate	..	..	3	..	..	..	1	..	..	..	..	..	4	..	4	..
					Homelyn	..	..	..	3	..	2	..	..	..	..	..	..	5	..	5	..
			Spur Dog	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2 (small)		
			Lesser Spotted Dog.	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..		
XLV. 1 * O 263	North of Terschelling Light-vessel. 53° 44½' N., 4° 47½' E.	20	s.m.	Dec. 8th	Plaice	..	..	1	4	2	..	1	..	..	..	..	8	..	8	..	
		19	s.m.	7.30 a.m.	Sole	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..
				4 hrs.	Turbot	..	..	..	..	2	..	..	..	..	..	..	..	2	..	2	..
					Cod	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1 Basket
					Haddock	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2 Baskets (large fish)
					Whiting	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Few (small)
			Thornback	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	
XLV 2 * O 264	North of Terschelling Light-vessel. 53° 44' N., 4° 51' E.	19	s.m.	Dec. 8th	Plaice	..	..	..	1	5	..	..	..	..	..	..	6	..	6	..	
		20	s.m.	2 p.m.	Sole	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
				2½ hrs.	Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
					Cod	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2 (medium)
			Haddock	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1 Basket (large)		
XLV 4 * B 253	North of Terschelling Light-vessel. 53° 46½' N., 4° 53½' E.	21	m.	Dec. 9th	Plaice	..	..	5	7	6	1	..	..	..	..	..	19	..	19	..	
		20	s.m.	8 a.m.	Sole	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8	..
		19	c.s.	5 hrs.	Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2 (small)	
					Cod	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5 (medium)
					Haddock	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1½ Baskets (large).
			Whiting	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	½ Basket		
			Thornback	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2 (small)		
XLV 5 * B 254	North of Terschelling Light-vessel. 53° 45½' N., 4° 47½' E.	19	c.s.	Dec. 9th	Plaice	..	..	1	..	5	..	..	..	..	..	..	6	..	6	..	
		19		1.30 p.m.	Sole	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17	..
		20½	m.	5 hrs.	Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1 (small)	
					Cod	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4 (medium)
					Haddock	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1½ Baskets (large).
			Thornback	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4 (small)		
XLV 6 * B 255	North of Terschelling Light-vessel. 53° 40½' N., 4° 45½' E. Net torn.	20½	m.	Dec. 9th	Plaice	..	..	..	3	5	..	..	..	..	..	..	8	..	8	..	
		19	f.s.	& 10th. 7 p.m.	Sole	..	..	..	..	..	..	..	..	..	..	..	..	..	..	28	..
		13	f.s., sh.	(9th). 5½ hrs.	Turbot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1 (small)
					Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1 (small)
					Cod	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5 (medium)
					Haddock	2
			Skate	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8 (small)		

* No Naturalists on board ; Captain in charge ; records of fish by Chief Steward.

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..													Measured.		Total Catch.	
				0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	No.	Kg.	No.	Kg.		
XLV 7 * B 256	North of Terschelling Light-vessel. 53° 29½' N., 4° 54' E.	14½ d.s.	Dec. 10th	Plaice	39	62	28	1	..	..	..	..	..	..	..	130	..	130	..	
		13	8 a.m.	Sole .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2 (small)	..
		13	5½ hrs.	Turbot .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2 (small)	..
				Thornback .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	10 (medium)	..	
XLV 8 * B 257	North of Terschelling Light-vessel. 53° 33½' N., 4° 53½' E.	13 d.g.s.	Dec. 10th	Plaice	48	85	81	3	..	..	..	..	..	..	..	217	..	217	..	
		13	2 p.m.	Sole .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	16	..	
			5½ hrs.	Turbot .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9	..
				Brill .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8 (small)	..
				Thornback .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	2 (small)	..	
XLV 9 B 258	North of Terschelling Light-vessel. 53° 34½' N., 4° 54½' E.	13 f.l.s.	Dec. 10th	Plaice	6	43	106	7	..	..	..	..	..	..	..	167	..	167	..	
		12	8 p.m. (10th).	Sole .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	42	..	
			5½ hrs.	Turbot .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..
				Brill .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5 (small)	..
				Cod .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	..
				Thornback .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	4 (small)	..	
XLV 10 * B 259	North of Terschelling Light-vessel. 53° 34½' N., 4° 55½' E.	12 f.g.s.	Dec. 11th	Plaice	7	49	74	8	2	..	..	..	..	..	..	140	..	140	..	
		13½	2 a.m.	Sole .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	44	..	
			5½ hrs.	Turbot .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	..
				Brill .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6 (small)	..
				Cod .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4 (large)	..
				Thornback .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	6 (small)	..	
XLV 11 * B 260	Terschelling Ground 53° 39' N., 4° 59½' E.	13½ f.d.s.	Dec. 11th	Plaice	2	20	50	4	1	..	..	..	..	..	..	77	..	77	..	
		15	8 a.m.	Sole .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	16	..	
		16½	6 hrs.	Turbot .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	13 (small)	..	
				Brill .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7 (small)	..
				Cod .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	..
				Whiting .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1 Bas-	(large fish)
				Thornback .. ..	..	..	..	..	..	..	..	..	..	..	..	..	3 (medium)	..		
XLV 12 * B 261	Terschelling Ground 53° 39' N., 5° 3' E.	16½ s.m.	Dec. 11th	Plaice .. ..	..	41	65	4	..	1	..	..	..	..	..	111	..	111	..	
		13	2.30 p.m.	Sole .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	53	..	
			6 hrs.	Turbot .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9 (small)	..
				Brill .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9 (small)	..
				Cod .. ..	..	..	..	..	..	..	..	..	..	..	..	..	4 (large)	..		
				Thornback .. ..	..	..	..	..	..	..	..	..	..	..	..	..	9 (medium)	..		
XLV 13 * B 262	North of Terschelling Light-vessel. 53° 34½' N., 4° 54½' E.	13 f.d.s.	Dec. 11th	Plaice .. ..	..	46	68	6	..	..	..	..	..	..	..	120	..	120	..	
		13	9 p.m.	Sole .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	59	..	
		13	5½ hrs.	Turbot .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	5 (small)	..	
				Brill .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5 (small)	..
				Cod .. ..	..	..	..	..	..	..	..	..	..	..	..	..	2	..		
XLV 14 * B 263	Terschelling Ground 53° 33¼' N., 5° 14¾' E.	12½ f.d.s.	Dec. 13th	Plaice	10	116	41	1	..	..	..	..	..	..	..	168	..	168	..	
		14	8 a.m.	Dab .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	½ Basket, and 20 large fish.	..	
		15	6 hrs.	Sole .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	..	
				Turbot .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12 (small)	..
				Flounder .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	..
				Spur Dog .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11 (small)	..
XLV 15 * B 264	Terschelling Ground 53° 39¼' N., 5° 3¼' E.	16 f.d.s.	Dec. 13th	Plaice	21	39	6	..	1	..	..	..	..	..	..	67	..	67	..	
		16	2.30 p.m.	Dab .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	20	..	
			6 hrs.	Sole	50	..	
				Turbot	9	..
				Brill	3 (small)	..
				Cod	12	..
				Haddock	2 (small)	..
				Whiting	20	..
		Thornback	10	..		

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TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.						
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.				
XLV 16 * B 265	North of Terschelling Light-vessel. 53° 36' N., 4° 50' E.	16	m.	Dec. 13th & 14th 9.30 p.m. (13th) 5 hrs.	Plaice ..	..	..	38	126	12	1	..	..	..	..	..	177	..	177	..			
		13	f.s.sh.		Sole ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	75	..		
					Turbot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1 (small)	..	
					Brill ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5 (small)	..	
					Cod ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	..	
					Haddock ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	
					Whiting ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1/4 Basket	..
					Thornback ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	..
XLV 17 * B 266	North of Terschelling Light-vessel. 53° 36' N., 4° 50' E.	13	f.s.sh.	Dec. 14th 3 a.m. 5 1/2 hrs.	Plaice ..	..	..	21	63	12	2	2	..	..	..	..	100	..	100	..			
		17 1/2	s.m.		Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	20 (small)	..		
					Sole ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	..	
					Turbot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1 (small)	..	
					Brill ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1 (small)	..
					Cod ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	16 (large)	..
					Whiting ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1 Basket	..
					Thornback ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	15	..
XLV 18 * B 267	North of Terschelling Light-vessel. 53° 37' N., 4° 51' E.	17 1/2	s.m.	Dec. 14th 9 a.m. 5 hrs.	Plaice ..	..	..	1	15	39	3	..	..	..	..	..	58	..	58	..			
		15	s.m.		Sole ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	..		
		12	f.g.s.		Turbot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4 (small)	..	
					Brill ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3 (small)	..	
					Whiting ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1/4 Basket	..
XLVI 1 * B 268	Lowestoft Deep Water. 52° 13' N., 2° 30' E. Belly very badly torn.	25	f.s.	Dec. 17th noon. 4 1/2 hrs.	Plaice ..	..	..	5	13	3	..	..	..	..	..	..	21	..	21	..			
		24	f.s.		Lemon Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	
					Sole ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18	..	
					Brill ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	
					Cod ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3 (medium)	..
					Whiting ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1/4 Basket	..
					Pout ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Several	..
					Ling ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
					Greater Weever. Conger ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	20	..
					Skate	1	..
XLVI 2 * B 269	East part of Lowestoft Deep Water. 52° 24' N., 2° 51' E.	21	f.g.s.	Dec. 17th & 18th. 9.30 p.m. (17th). 4 1/2 hrs.	Plaice ..	..	..	10	22	4	..	..	..	..	..	..	36	..	36	..			
		20	f.g.s.		Sole ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	..		
					Turbot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1 (small)	..	
					Brill ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1 (medium)	..
					Cod ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..
					Whiting	1/4 Basket	..
					Pout	Few	..
XLVI 3 * B 270	East part of Lowestoft Deep Water. 52° 30' N., 2° 57' E.	20	f.s.	Dec. 18th 2.45 a.m. 4 1/2 hrs.	Plaice ..	..	..	28	52	4	2	1	..	..	..	..	87	..	87	..			
		20	f.s.		Sole ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	..	
		20	f.g.s.		Turbot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2 (small)	..
					Cod ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..
					Whiting	1/4 Basket	..
XLVI 4 * B 271	East part of Lowestoft Deep Water. 52° 33' N., 2° 49' E.	21	f.s., sh.	Dec. 18th 1 p.m. 5 hrs.	Plaice	10	26	1	1	38	..	38	..				
		23	f.s., sh.		Sole	10	..		
		22	f.s., sh.		Turbot	1 (large)	..	
					Brill	1 (small)	..	
		Cod	6	..			

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III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.		
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.
XLVI 4 *B 271	East part of Lowestoft Deep Water—cont. 52° 33' N., 2° 49' E.	21	f.s., sh.	Dec. 18th	Whiting ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1/2 Basket
		23	f.s., sh.	1 p.m.	Pout	Several
		22	f.s., sh.	5 hrs.	Greater Weever.	Several
XLVI 5 *B 272	East part of Lowestoft Deep Water. 52° 30' N., 2° 51' E.	22	f.s., sh.	Dec. 18th & 19th	Plaice ..	..	..	19	36	11	2	..	..	..	..	..	68	..	68
		22	f.s., sh.	6.30 p.m. (18th)	Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	8
		21	f.s.	6 1/2 hrs.	Sole ..	..	..	..	..	..	..	..	..	..	..	..	..	..	20
					Turbot	4
					Brill	1 (small)
					Cod	5
					Whiting	1/2 Basket
			Greater Weever.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Several
XLVI 6 *B 273	East part of Lowestoft Deep Water. 52° 32' N., 2° 56' E.	21	f.s.	Dec. 19th	Plaice ..	..	..	46	32	2	..	..	..	..	..	..	80	..	80
		22	f.s.	1.30 a.m.	Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	20
		19	f.g.s.	6 hrs.	Sole ..	..	..	..	..	..	..	..	..	..	..	..	..	..	18
					Turbot	1 (small)
					Brill	1 (small)
					Whiting	1/2 Basket
					Greater Weever.	Several
XLVI 7 *B 274	East part of Lowestoft Deep Water. 52° 34' N., 2° 53' E.	19	f.g.s.	Dec. 19th	Plaice ..	..	..	26	30	13	4	..	..	..	..	..	73	..	73
		22	f.g.s.	8.15 a.m.	Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	20
		21	f.g.s.	6 1/2 hrs.	Sole ..	..	..	..	..	..	..	..	..	..	..	..	..	..	10
					Turbot	2 (medium)
					Brill	2 (medium)
					Cod	4
					Whiting	1/2 Basket
					Greater Weever.	Several
					Conger	1 (small)
			Thornback ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3 (small)	
XLVI 8 *B 275	East part of Lowestoft Deep Water. 52° 37' N., 2° 50' E.	21	f.g.s.	Dec. 19th	Plaice ..	..	..	18	40	13	1	..	..	..	..	..	72	..	72
		22	f.g.s.	3.30 p.m.	Sole ..	..	..	..	..	..	..	..	..	..	..	..	..	..	18
		23	f.d.s.	7 1/2 hrs.	Turbot	1 (small)
					Brill	2 (small)
					Cod	10
					Whiting	1/2 Basket
					Greater Weever.	Several
			Conger ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1 (small)	
XLVII 1 B 276	Bridlington Bay .. 54° 2' N., 0° 9' W.	6	f.s.	1905. Jan. 9th	Plaice ..	..	..	3	11	4	..	..	..	..	..	..	18	..	18
		6 1/2	f.s.	3.30 p.m.	Dab ..	..	..	2	65	38	2	..	..	..	..	..	107	..	107
				1/2 hr.	Cod	1	1	..	1
					Whiting	2	2	..	2
					Thornback	1	1	2	..	2
XLVII 2 B 277	Flamborough Head Ground. 54° 11' N., 0° 29' E. Came fast, probably to a wreck; net badly torn and beam broken.	31	f.d.s.	Jan. 13th	Plaice ..	..	..	3	25	12	..	..	..	..	..	..	40	26 1/2	40
		31	f.d.s.	6.45 p.m.	Dab ..	..	..	27	4	1	..	..	..	..	..	..	32	..	32
				2 hrs.	Lemon Dab..	..	..	..	2	1	..	..	..	..	..	..	3	..	3
					Long Rough Dab.	..	..	..	4	..	..	..	..	..	..	..	4	..	4
					Sole ..	..	..	..	..	1	..	..	..	..	..	..	1	..	1
					Brill ..	..	..	..	..	..	1	..	..	..	..	..	1	..	1
					Cod ..	..	..	..	4	9	..	..	..	..	..	..	13	..	13
					Haddock ..	..	..	8	3	..	..	..	..	..	..	..	11	..	11
					Whiting	3	21	6	30	..	30	
					Pout	2	2	..	2	
					Grey Gurnard	1	2	3	..	3	
					Conger	1	..	1	..	2	
					Angler	1	1	..	1	
			Starry Ray	4	3	1	8	..	8			

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TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.		Date, Hour Shot, and Duration.	Ins. ..	Measurements												Measured.		Total Catch.	
						0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	No.	Kg.	No.	Kg.	
XLVII 3 O 266	Flamborough Head Ground. 54° 12½' N., 0° 29½' E.	31	f.d.s.	Jan. 13th & 14th. 11 p.m. (13th). 5 hrs.	Plaice	16	37	21	1	..	..	..	..	..	..	..	75	44	75	44	
					Dab	32	5	37	..	37
		Lemon Dab	1		4	..	..	..	..	..	..	..	..	..	..	..	..	5	..	5	..
		Long Rough Dab	4		5	..	..	..	..	..	..	..	..	..	..	..	..	9	..	9	..
		Sole	2		1	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..
		Brill .. .. .	..		..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
		Cod	22		33	3	..	..	1	..	..	..	..	..	..	..	..	59	..	59	..
		Haddock	1		6	..	..	..	..	..	..	..	..	..	..	..	..	7	..	7	..
		Whiting	55		7	..	..	..	..	..	..	..	..	..	..	..	..	62	..	62	..
		Pout	2		..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
		Angler .. .. .	..		..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
		Grey Gurnard	4		3	1	..	..	..	..	..	..	..	..	..	..	..	8	..	8	..
Black Skate .. .. .	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..			
Starry Ray	2	11	1	..	..	..	..	..	..	..	..	..	..	..	14	..	14	..			
XLVII 4 O 267	Flamborough Head Ground. 54° 13½' N., 0° 29½' E.	31	f.d.s.	Jan. 14th 5 a.m. 5 hrs.	Plaice	6	41	28	..	1	..	..	..	..	..	76	47	76	47		
		31	f.d.s.		Only Plaice measured; other contents of Trawl not recorded, species same as in XLVII 3.																
XLVII 5 O 268	Flamborough Off .. 53° 59½' N., 0° 36½' E.	26	f.s.	Jan. 20th 11.45 a.m. 4 hrs.	Plaice	1	16	35	3	..	..	..	..	..	..	55	19½	55	19½		
					Dab	266	12	1	279	..	279
		Lemon Dab .. .. .	..		1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
		Long Rough Dab	2		1	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..
		Sole	1		1	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
		Turbot .. .. .	..		1	..	1	..	..	..	..	..	..	..	..	..	..	2	..	2	..
		Brill .. .. .	..		1	1	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
		John Dory	1		..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
		Cod	9		12	2	1	..	1	..	1	..	1	..	1	..	..	26	..	26	..
		Whiting	3		1	..	..	..	..	..	..	..	..	..	..	..	..	4	..	4	..
		Pout	1		..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
		Grey Gurnard	1		12	4	..	..	..	..	..	..	..	..	..	..	..	17	..	17	..
Herring	2	1	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..			
Greater Weever	10	1	..	..	..	..	..	..	..	..	..	..	..	..	11	..	11	..			
Spur Dog .. .. .	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..			
XLVII 7 O 269	Eastern edge of Flamborough Off. 54° 4' N., 1° 11½' E.	23	f.s.	Jan. 21st 9.15 a.m. 4 hrs.	Plaice	5	9	2	..	..	..	..	..	..	..	16	..	16	..		
					Dab	61	12	93	..	93
		Lemon Dab .. .. .	..		1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
		Long Rough Dab	3		1	..	..	..	..	..	..	..	..	..	..	..	..	4	..	4	..
		Sole .. .. .	..		1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
		Cod	4		13	7	2	1	3	1	2	..	..	..	..	..	..	33	..	33	..
		Haddock .. .. .	..		1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
		Whiting	2		17	5	..	..	..	..	..	..	..	..	..	..	..	24	..	24	..
		Grey Gurnard	8		23	3	..	..	..	..	..	..	..	..	..	..	..	34	..	34	..
		Ling .. .. .	..		..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
Cuckoo Ray	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..			
XLVII 12 O 270	Dogger Bank, East of S.W. Patch. 54° 26½' N., 2° 41½' E.	15	f.s.	Jan. 22nd 8 a.m. 5 hrs.	Plaice	2	15	1	..	..	..	..	..	..	..	18	10	18	10		
					Dab	124	52	7	183	16	183	16
		Sole .. .. .	..		1	2	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..
		Cod	2		2	..	1	4	1	2	..	..	..	..	..	..	..	12	..	12	..
		Haddock .. .. .	..		28	50	..	..	..	..	..	..	..	..	..	..	..	78	63	360	[291]
		Whiting	12		136	41	5	1	1	..	..	..	..	..	..	..	..	196	43	196	43
		Grey Gurnard	2		5	..	..	..	..	..	..	..	..	..	..	..	..	7	..	7	..
Herring	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..			
XLVII 15 O 271	Dogger Bank, Eastern Shoal. 54° 36½' N., 2° 42½' E.	17	f.s.	Jan. 22nd 2 p.m. 5 hrs.	Plaice	6	7	..	1	..	..	..	..	..	..	14	6½	14	6½		
					Dab	23	25	19	67	14	67	14
		Cod	2		2	..	4	2	3	1	1	..	..	..	..	..	..	15	..	15	..
		Haddock	1		..	27	52	1	1	..	..	..	..	..	..	..	..	82	71	82	71
		Whiting	52		28	1	..	1	..	..	..	..	..	..	..	..	..	82	20	82	20
		Conger .. .. .	..		..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
Herring	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..			

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.		
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.
XLVII 18 O 272	Dogger Bank, North of Eastern Shoal. 54° 44' N., 2° 38' E.	11½ f.s.	Jan. 22nd & 23rd 8 p.m. (22nd) 5 hrs.	Plaice	2	11	1	1	1	..	..	..	..	..	..	16	11	16	11
		11½		Dab	11	58	96	165	62	165	62
		12 f.s.		Sole	1	1	..	1	..
				Turbot	1	1	..	1	..
				Cod	1	6	4	1	12	..	12	..
				Haddock	12	34	1	1	48	47	48	47
				Whiting	18	9	27	..	27	..
XLVII 19 O 273	Dogger Bank, North of Eastern Shoal. 54° 54' N., 2° 36' E.	12 f.s.	Jan. 23rd	Plaice	4	4	2	..	..	..	..	..	..	..	..	10	..	10	..
		11 f.s.	2 a.m.	Dab	1	85	31	34	1	..	..	..	..	..	..	152	26	152	26
		14 f.s. & sh.	5 hrs.	Cod	5	2	..	3	2	2	..	1	..	..	..	15	20	15	20
			Haddock	1	..	13	34	3	1	..	..	..	..	..	..	52	49	52	49
			Whiting	7	25	8	..	..	..	..	..	..	..	..	..	40	8	40	8
XLVII 22 O 274	Dogger Bank, North of Eastern Shoal. 54° 53' N., 2° 42' E.	14 f.s. & sh.	Jan. 23rd	Plaice	1	2	1	..	..	..	..	..	..	..	..	4	..	4	..
		11 f.s. & sh.	8 a.m.	Dab	11	5	5	..	..	..	..	..	..	..	..	21	..	21	..
		10 f.s. & sh.	5 hrs.	Cod	2	2	..	..	..	1	..	1	..	..	..	6	..	6	..
			Haddock .. ..	..	..	..	10	..	..	..	..	..	..	..	..	10	..	10	..
			Whiting	15	5	..	..	..	..	..	..	..	..	..	..	20	..	20	..
			Herring	6	1	..	..	..	..	..	..	..	..	..	..	7	..	7	..
XLVII 25 O 275	Clay Deep, Edge of Dogger. 54° 51' N., 3° 25' E.	20 f.s.	Jan. 25th	Plaice	1	5	1	1	..	..	..	..	..	..	..	8	..	8	..
		22 f.s. & oz.	5 p.m.	Dab .. ..	..	1	2	..	..	..	..	..	..	..	..	3	..	3	..
			2½ hrs.	Cod	3	2	1	4	3	2	9	..	..	..	..	24	..	24	..
			Haddock	1	..	41	65	1	..	..	..	..	..	..	..	108	..	108	..
			Whiting	1	21	11	..	..	..	..	..	..	..	..	..	33	..	33	..
XLVII 26 O 276	East of Leman Ground. 53° 19' N., 3° 04' E.	19 f.s. & m.	Jan. 25th	Plaice	1	37	20	11	1	..	..	..	..	..	..	70	30	70	30
		20	4 a.m.	Dab	253	26	5	..	..	..	..	..	..	..	..	284	..	284	..
		17½ f.s. & m.	5 hrs.	Sole .. ..	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
			Turbot .. ..	..	..	..	1	1	..	..	..	..	..	..	..	2	..	2	..
			Cod .. ..	..	..	..	..	..	2	3	..	..	1	..	..	6	..	6	..
			Haddock .. ..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
			Whiting	176	70	2	..	..	..	..	..	..	..	..	..	248	..	[341]	..
			Pout	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
XLVII 29 O 277	Leman Ground .. 53° 27' N., 2° 51' E.	17½ f.s. & m.	Jan. 25th	Plaice	3	2	..	..	..	..	..	..	..	..	..	5	..	5	..
		17 f.g.s.	9.50 a.m.	Sole	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
			2½ hrs.	Cod .. ..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..
			Whiting	1	1	..	..	..	..	..	..	..	..	..	..	2	..	2	..
			Herring	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
XLVIII 2 B 278	S.E. of Smith's Knoll light-vessel. 52° 48' N., 2° 18' E.	22 s. & m.	Feb. 14th	Plaice	7	65	17	4	..	..	..	..	..	..	..	93	30	93	30
		24 s. & ross.	5.45 p.m.	Dab	16	5	..	..	..	..	..	..	..	..	..	21	..	21	..
			3 hrs.	Sole	1	1	..	..	..	..	..	..	..	..	..	2	..	2	..
			Cod .. ..	..	..	..	..	..	..	7	..	..	..	..	..	7	38½	7	38½
			Whiting	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
			Thornback	1	2	1	1	..	..	..	..	..	..	..	..	5	8½	5	8½
			Black Skate	1	..	1	..	..	..	..	..	..	..	..	..	2	..	2	..
XLVIII 5 B 279	Extreme South of Leman Ground. 53° 14' N., 2° 35' E.	20½ s.	Feb. 14th	Plaice	1	6	4	1	1	..	..	..	..	..	..	13	6½	13	6½
		18 f.s.	15th. 10.40 p.m. (14th.) 3 hrs.	Dab	10	..	..	..	..	..	..	..	..	..	..	10	..	10	..
			Whiting	3	..	1	..	..	..	..	..	..	..	..	..	4	..	4	..
			Thornback	1	3	13	6	1	1	1	..	..	..	..	..	26	26	26	26
			Skate	1	..	..	..	..	1	..	..	..	..	..	..	2	..	2	..
XLVIII 8 B 280	Leman Ground .. 53° 16' N., 2° 50' E.	18 f.s.	Feb. 15th	Plaice	2	11	4	4	..	..	..	..	..	..	..	21	10	21	10
		16½ f.s.	3.55 a.m.	Dab	56	10	1	..	..	..	..	..	..	..	..	67	5½	67	5½
			4 hrs.	Flounder	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
			Sole	2	..	2	..	..	..	..	..	..	..	..	..	4	..	4	..
			Turbot .. ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
			Whiting	2	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
			Grey Gurnard	1	1	..	..	..	..	..	..	..	..	..	..	2	..	2	..

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.		Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.				
						Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
XLVIII 8 B 280	Leman Ground—cont. 53° 16' N., 2° 50' E.	18	f.s.	Feb. 15th	Thornback ..	1	1	8	6	1	2	1	..	..	..	..	20	} 20	20	} 20		
				3.55 a.m.	Skate ..	..	..	..	..	1	..	..	..	..	..	..	..		1		1	
				4 hrs.	Spur Dog	1		1		..	1	..
XLVIII 10 B 281	East part of Leman Ground. 53° 32' N., 2° 56' E.	16½	f.s.	Feb. 15th	Plaice ..	..	..	2	21	11	3	..	..	..	..	..	37	9	37	9		
				4 hrs.	9.40 a.m.	Dab ..	..	..	268	16	..	..	..	..	..	..	..	..	224	..	224	..
					Flounder ..	..	..	11	10	..	..	..	..	..	..	..	..	..	21	..	21	..
					Turbot ..	..	..	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
					Whiting ..	..	..	..	..	6	..	..	..	..	..	..	..	..	6	..	6	..
					Grey Gurnard ..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
Black Skate ..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	1	..					
XLVIII 12 B 282	Botney Ground .. 53° 33' N., 3° 13' E.	18½	f.d.s.	Feb. 15th	Plaice ..	..	..	10	45	23	5	1	..	..	..	..	84	22	84	22		
				6 hrs.	2.45 p.m.	Dab ..	..	..	38	8	..	..	..	..	..	..	..	..	46	3	[383]	25
					Flounder ..	..	..	17	20	..	..	..	..	..	..	..	..	..	37	12	37	12
					Sole ..	..	..	2	1	..	..	..	..	..	..	..	..	..	3	..	3	..
					Turbot ..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	4½	1	4½
					Cod ..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..
					Whiting ..	..	..	2	56	7	1	..	..	..	..	..	..	..	66	11	66	11
					Thornback ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
					Spur Dog ..	..	..	..	..	..	..	1	1	..	..	..	..	..	2	..	2	..
XLVIII 14 B 283	S.W. part of New Zealand. 53° 15' N., 3° 41' E.	15	f.s.	Feb. 16th	Plaice ..	..	..	12	42	12	6	1	..	..	..	..	73	20½	73	20½		
				4 a.m.	Dab ..	..	..	201	15	..	..	..	..	..	..	..	..	..	216	12	[450]	25
					5 hrs.	Flounder ..	..	..	1	30	23	3	..	..	..	..	..	..	57	19	57	19
					Turbot ..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Whiting ..	..	..	..	3	1	..	..	..	..	..	..	..	..	4	..	4	..
					Herring ..	..	..	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..
					Sprat ..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Thornback ..	..	..	2	..	9	2	1	..	..	..	..	..	..	14	8	14	8
					Homelyn ..	..	..	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..
Black Skate ..	..	..	1	..	..	..	..	..	1	..	..	..	..	2	5½	2	5½					
XLVIII 16 B 284	N.W. part of Texel Ground. 53° 5½' N., 4° 2½' E.	15½	f.s.	Feb. 16th	Plaice ..	..	..	..	9	9	4	..	..	..	..	..	22	10	22	10		
				3½ hrs.	10.45 a.m.	Dab ..	..	..	16	21	1	..	..	..	..	..	..	..	38	5	38	5
					Flounder ..	..	..	..	2	5	..	..	..	..	..	..	..	..	7	..	7	..
					Sole ..	..	..	..	4	1	..	..	..	..	..	..	..	..	5	..	5	..
					Turbot ..	..	..	..	..	3	2	..	..	..	..	..	..	..	5	8½	5	8½
					Brill ..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Whiting ..	..	..	..	71	50	..	..	..	..	..	..	..	..	121	32½	[508]	136½
Greater Weever ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..					
XLVIII 18 B 285	Texel Ground .. 53° 0½' N., 4° 12½' E.	16	f.g.s.	Feb. 16th	Plaice ..	..	..	9	31	12	4	1	..	..	..	..	57	16	57	16		
				4 hrs.	3.45 p.m.	Dab ..	..	..	183	33	2	..	..	..	..	..	..	..	218	15	218	15
					Flounder ..	..	..	..	12	7	..	..	..	..	..	..	..	..	19	..	19	..
					Sole ..	..	..	..	7	1	..	..	..	..	..	..	..	..	8	..	8	..
					Turbot ..	..	..	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
					Brill ..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Cod ..	..	..	..	..	1	..	..	..	1	2	1	..	..	5	23	5	23
Whiting ..	..	..	..	2	10	4	..	..	..	..	..	..	..	16	..	16	..					
XLVIII 20 B 286	Brown Ridges .. 52° 50½' N., 3° 44½' E.	14	f.g.s.	Feb. 17th	Plaice ..	..	..	34	88	22	3	..	..	..	..	..	147	25	147	25		
				5 hrs.	4 a.m.	Dab ..	..	..	134	42	..	..	..	..	..	..	..	..	176	15	176	15
					Flounder ..	..	..	..	7	6	1	..	..	..	..	..	..	..	14	5	14	5
					Sole ..	..	..	..	3	5	..	..	..	..	..	..	..	..	8	5	8	5
XLVIII 22 B 287	Western Edge of Lowestoft Deep Water. 52° 25' N., 2° 7' E.	23	f.g.s. & pebbles.	Feb. 17th.	Plaice ..	..	..	..	8	4	4	..	..	..	..	..	16	6	16	6		
					4 hrs.	5.10 p.m.	Sole	1	5	3	9	..	9	..
						Cod	2	1	3	20	3	20
Whiting ..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..				

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.				
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
XLVIII 22 B 287	Western Edge of Lowestoft Deep Water—cont. 52° 25' N., 2° 7' E.	23 f.g.s. & pebbles. 20 f.d.s.	Feb. 17th 5.10 p.m. 4 hrs.	Ling									1			1	..	1	..			
				Greater Weever.														..	..	2	..	
				Thornback ..		1	4	1		1									7	8	7	8
				Homelyn				1											1	..	1	..
				Black Skate..			1												1	..	1	..
XLIX 1 B 288	Knoll Deep 52° 34' N., 2° 16' E. Came fast to a ross bank, net very badly torn.	22 sharp s. 22 ross	Feb. 28th 5.30 p.m. $\frac{3}{4}$ hr.	Plaice		1											1	..	1	..		
				Lemon Dab ..			1												1	..	1	..
				Cod			1			1									2	..	2	..
				Whiting		2													2	..	2	..
				Pout			1												1	..	1	..
				Thornback ..		1													1	..	1	..
				Homelyn			1												1	..	1	..
XLIX 27 B 289	Winterton Shoal .. 52° 40' N., 2° 58' E.	19 $\frac{1}{2}$ blk.spk.s. 16 blk.spk.s.	March 1st 9.30 a.m. 4 hrs.	Plaice		17	69	10									96	15	96	15		
				Dab			422	101											523	31	523	31
				Lemon Dab ..		1	1												2	..	2	..
				Flounder			2	2											4	..	4	..
				Cod		7	7												14	..	14	..
				Whiting		5	123	12											140	16 $\frac{1}{2}$	140	16 $\frac{1}{2}$
				Pout			2												2	..	2	..
				Grey Gurnard ..			9												9	..	9	..
Greater Weever.			16	3											19	..	19	..				
XLIX 5 B 290	Leman Ground 53° 15' N., 2° 30' E.	17 f.d.s. 16 f.g.s. 15 f.g.s.	March 1st & 2nd. 8.30 p.m. (1st). 5 hrs.	Plaice		7	14	12									33	6	33	6		
				Dab			35	8											43	..	43	..
				Brill						1									1	3	1	3
				Whiting			2	2											4	..	4	..
				Grey Gurnard ..		2	1												3	..	3	..
				Thornback ..		1	8	7	2	2									20	19 $\frac{1}{2}$	20	19 $\frac{1}{2}$
				Black Skate..						1									1	3 $\frac{1}{2}$	1	3 $\frac{1}{2}$
XLIX 6 B 291	Leman Ground 53° 26' N., 2° 23' E.	12 f.blk.spk.s. 13 f.d.s.	Mar. 2nd 11.30 a.m. 3 hrs.	Plaice		11	64	74	6	1							156	46 $\frac{1}{2}$	156	46 $\frac{1}{2}$		
				Dab			105	25	2										132	..	132	..
				Flounder			5	3											8	..	8	..
				Turbot				1											1	1 $\frac{1}{2}$	1	..
				Cod							1								1	3 $\frac{1}{2}$	1	..
				Whiting			5	2											7	..	7	..
				Grey Gurnard ..		1	2												3	..	3	..
Thornback ..			1												1	..	1	..				
XLIX 10 B 292	Markham's Hole .. 53° 46' N., 2° 41' E.	20 f.s. 33 s. & m. 19 sharp s.	Mar. 2nd & 3rd. 9.30 p.m. (2nd). 4 hrs.	Plaice		3	23	45	16	1							88	36	88	6		
				Dab			57	16	1										74	5	74	5
				Lemon Dab ..			2												2	..	2	..
				Flounder			1												1	..	1	..
				Sole			1	5	1										7	..	7	..
				Brill				1	1										2	..	2	..
				Cod			2	5					1						8	..	8	..
				Whiting			33	16	1										50	11 $\frac{1}{2}$	50	11 $\frac{1}{2}$
				Pout			2												2	..	2	..
				Grey Gurnard ..		1	1												2	..	2	..
Greater Weever.															..	..	2	..				
Thornback ..					1										1	..	1	..				
XLIX 24 O 278	Flamborough Off .. 54° 8' N., 1° 8' E. Ground rope parted, net very badly torn; had a trawl beam and head in our trawl.	24 f.d.s. 29 23 f.d.s.	Mar. 3rd 7 p.m. 5 hrs.	Plaice			5	3									8	..	8	..		
				Dab			96	9	1										106	..	106	..
				Lemon Dab ..				1											1	..	1	..
				Sole				1											1	..	1	..
				Cod								2		4	1				7	..	7	..
				Whiting			1	1											2	..	2	..
				Pout			1												1	..	1	..
Grey Gurnard ..		1	7	2											10	..	10	..				

TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.						
					Cm. ..	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.					
XLIX 25 O 279	The Hills 54° 17' N., 1° 15' E.	26	f.d.s.	Mar. 4th	Plaice	1	4	16	11	2	..	..	..	..	..	..	34	23	34	23				
		30	f.d.s.	9.45 a.m.	Dab	49	14	2	..	..	..	..	..	..	..	..	..	65	..	65	..			
		24	f.d.s.	4 hrs.	Long Rough Dab, Turbot	4	..	..	..	..	..	..	..	..	..	..	..	..	4	..	4	..		
					Haddock .. ..	..	..	1	3	1	..	..	..	..	..	..	..	..	..	5	..	5	..	
					Whiting	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
					Grey Gurnard	1	5	3	..	..	..	..	..	..	..	..	..	..	..	..	9	..	9	..
					Herring .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
					Starry Ray .. ..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
XLIX 26 O 280	The Hills 54° 17½' N., 1° 10½' E.	24	f.g.s.	Mar. 4th	Plaice	8	21	6	1	..	..	..	..	..	..	..	36	18	36	18				
		27	f.d.s.	2.15 p.m.	Dab	1	50	6	2	..	..	..	..	..	..	..	..	59	..	59	..			
		15	f.s.	4 hrs.	Long Rough Dab, Turbot	3	1	..	..	..	..	..	..	..	..	..	..	..	4	..	4	..		
					Cod .. ..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..	
					Haddock .. ..	..	..	8	12	..	..	..	..	..	..	..	..	..	..	..	20	16½	20	16½
					Whiting	1	2	8	..	..	..	..	..	..	..	..	..	..	..	..	11	..	11	..
					Grey Gurnard	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..
					Starry Ray .. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
L 8 B 294	North of Hartlepool 54° 44½' N., 1° 13½' E.	10	c.s.	Mar. 10th	Plaice	38	44	15	..	..	..	..	..	..	..	..	97	..	97	..				
		6½	f.s.	6.45 a.m.	Dab	9	13	3	..	..	..	..	..	..	..	..	..	25	..	25	..			
		5	c.s.	½ hr.	Flounder	3	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..		
					Cod	1	1	3	..	1	..	..	..	..	..	..	..	..	..	6	..	6	..	
					Whiting	8	1	..	..	..	..	..	..	..	..	..	..	..	..	..	9	..	9	..
Herring .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..					
L 9 O 281	Hartlepool Ground.. 54° 41½' N., 1° 0½' W. Net slightly torn.	14	f.d.s.	Mar. 17th	Plaice	1	4	6	3	..	..	..	..	..	..	..	14	..	14	..				
		20	f.d.s.	8 a.m.	Dab	20	17	2	..	..	..	..	..	..	..	..	..	39	6½	39	6½			
		25	f.d.s.	2 hrs.	Long Rough Dab, Flounder	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..		
					Sole .. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	
					Cod	2	4	12	5	9	11	1	..	..	..	..	..	..	..	44	61	44	61	
					Haddock	23	9	6	..	..	..	..	..	..	..	..	..	..	..	..	38	..	38	..
					Whiting	11	3	..	..	..	..	..	..	..	..	..	..	..	..	..	14	..	14	..
					Grey Gurnard .. ..	..	24	14	..	..	..	..	..	..	..	..	..	..	..	..	38	11	38	11
Cat fish .. ..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..					
Angler	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..					
Sprat	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..					
L 12 O 282	Hartlepool Ground 54° 42½' N., 0° 55½' W.	27	f.d.s. & m.	Mar. 17th	Plaice .. ..	..	..	1	..	1	..	..	..	..	..	..	2	..	2	..				
		27	f.d.s. & m.	noon 2 hrs.	Dab	5	1	..	..	..	..	..	..	..	..	..	..	..	6	..	6	..		
					Lemon Dab	1	1	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..	
					Cod .. ..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..	
					Haddock	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11	..	11	..
					Whiting	3	4	1	..	..	..	..	..	..	..	..	..	..	..	..	8	..	8	..
					Pout .. ..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Grey Gurnard .. ..	..	15	14	..	..	..	..	..	..	..	..	..	..	..	..	29	..	29	..
					Ling .. ..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	5	1	5
					Angler .. ..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Herring	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
L 13 O 283	Whitby Ground .. 54° 42½' N., 0° 20½' W.	34	f.d.s.	Mar. 17th	Plaice	1	7	3	..	..	..	..	..	..	..	..	11	..	11	..				
		34	f.d.s.	6.45 p.m. 2 hrs.	Dab	142	15	2	..	..	..	..	..	..	..	..	..	..	159	..	159	..		
					Lemon Dab .. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	
					Flounder .. ..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Long Rough Dab, Cod	3	4	..	..	..	..	1	8	6	2	..	..	..	..	..	24	..	24	..
					Haddock	5	5	2	2	..	..	..	..	..	..	..	..	..	..	..	14	..	14	..
					Whiting .. ..	..	30	10	..	..	..	..	..	..	..	..	..	..	..	..	40	..	40	..
					Grey Gurnard	4	18	4	..	..	..	..	..	..	..	..	..	..	..	..	26	..	26	..
Starry Ray	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..					

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15½+	19½+	23½+	27½+	31½+	35½+	39½+	Measured.		Total Catch.		
					Cm. ..	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.	
L 16	Whitby Ground ..	34	f.d.s.	Mar 17th	Plaice ..	..	..	3	23	3	..	..	..	..	..	29	..	29	..
O 284	54° 42½' N., 0° 17¼' W.	35	f.d.s.	and 18th. 10 p.m. (17th.) 5 hrs.	Dab ..	..	273	30	2	..	..	..	..	..	..	305	..	305	..
					Lemon Dab..	..	..	2	1	..	..	..	..	..	..	3	..	3	..
					Flounder ..	..	..	4	..	..	..	..	..	..	..	4	..	4	..
					Long Rough Dab.	..	5	..	..	..	..	..	..	..	..	5	..	5	..
					Cod	1	..	1	2	8	12	5	29	..	29	..
					Haddock	2	..
					Whiting	Ca. 6	..
					Angler ..	..	..	..	..	..	..	1	..	..	..	1	..	1	..
					Cat Fish ..	..	..	..	..	..	..	1	..	..	..	1	..	1	..
					Starry Ray ..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
L 17	Whitby Ground ..	35	f.d.s.	Mar. 18th	Plaice ..	..	..	..	7	4	1	..	..	..	..	12	..	12	..
O 285	54° 41½' N., 0° 17' W.	35	f.d.s.	4 m. 5 hrs.	Dab ..	..	236	10	1	..	..	..	..	..	..	247	..	247	..
					Lemon Dab	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Long Rough Dab.	..	13	1	..	..	..	..	..	..	..	14	..	14	..
					Turbot ..	..	..	..	..	1	1	..	..	..	..	2	..	2	..
					Cod	5	2	1	7	4	1	20	..	20	..
					Haddock ..	..	5	6	1	2	..	..	..	..	..	14	..	14	..
					Whiting ..	..	1	49	20	..	..	..	..	..	..	70	..	70	..
					Grey Gurnard	..	7	103	12	..	..	..	..	..	..	122	..	122	..
					Angler ..	..	..	..	..	..	3	..	..	..	..	3	..	3	..
					Starry Ray..	..	2	3	..	..	..	..	..	..	..	5	..	5	..
L 24	West of Brucey's Garden.	42	f.d.s.	Mar. 18th	Dab ..	..	70	47	8	..	..	..	..	..	..	125	..	125	..
O 286	54° 57' N., 0° 24' E.	43	f.d.s.	3.50 p.m. 2½ hrs.	Lemon Dab	..	..	..	1	..	..	..	..	..	..	1	..	1	..
	Had a "pull out," hauled, found net all right.				Long Rough Dab.	..	18	7	..	..	..	..	..	..	..	25	..	25	..
					Cod ..	..	..	1	6	4	..	..	1	3	..	16	..	16	..
					Haddock ..	..	29	13	4	1	..	..	..	..	..	47	..	47	..
					Whiting ..	..	..	63	20	1	..	..	..	..	..	84	..	84	..
					Grey Gurnard	..	3	19	3	..	..	..	..	..	..	25	..	25	..
					Ling ..	..	..	..	..	..	..	1	..	..	1	2	..	2	..
					Herring ..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Starry Ray..	..	1	1	..	..	..	..	..	..	..	2	..	2	..
L 25	West of Brucey's Garden.	43	f.d.s.	Mar. 18th	Dab ..	..	264	88	14	1	..	..	..	..	..	367	30	[538]	44
O 287	55° 04' N., 0° 37½' E.	37	f.d.s.	7 p.m. 5 hrs.	Lemon Dab	..	..	1	14	1	..	..	..	..	..	16	10	16	0
					Long Rough Dab.	..	54	39	..	..	..	..	..	..	..	93	..	93	..
					Cod	16	18	17	8	3	6	3	5	1	77	..	77	..
					Haddock ..	..	15	89	77	48	1	..	..	..	..	230	..	230	[109]
					Whiting ..	..	..	68	51	4	1	..	..	..	..	124	..	124	..
					Coal Fish ..	..	..	..	..	..	..	..	..	..	1	1	..	..	..
					Pout ..	..	..	1	9	..	..	..	..	..	..	10	..	10	..
					Grey Gurnard	..	7	59	15	..	..	..	..	..	..	81	..	81	..
					Ling ..	..	..	..	..	..	..	..	1	..	..	1	..	1	..
					Cat Fish ..	..	..	..	..	..	2	..	..	..	..	2	..	2	..
					Angler ..	..	..	..	..	..	2	1	1	..	..	4	..	4	..
					Herring ..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Starry Ray..	..	1	1	..	..	..	..	..	..	..	2	..	2	..
L 31	Dogger Bank, North of S.W. Patch.	11½	f.g.s.	Mar. 19th	Plaice ..	..	..	3	7	6	1	..	..	..	..	17	12	17	12
O 289	54° 37½' N., 1° 54½' E.	13	f.g.s.	10.10 a.m. 5 hrs.	Dab ..	..	17	11	1	..	..	..	..	..	..	29	..	29	..
	Piston of winch broken; gear hauled with tackle.				Cod ..	..	..	1	..	1	1	..	..	..	..	4	..	4	..
					Haddock ..	..	..	..	..	1	3	..	..	..	..	4	..	4	..
					Whiting ..	..	..	11	2	..	..	..	..	..	..	13	..	13	..
					Grey Gurnard	..	1	8	3	..	..	..	..	..	..	12	..	12	..
LI 2	Brielle Ground ..	13	f.s.	Mar. 31st	Plaice ..	..	86	30	..	..	..	..	..	..	..	116	..	116	..
B 295	52° 54' N., 3° 41½' E.	11	f.s. & sh.	4.10 a.m. 2 hrs.	Dab ..	..	88	31	..	..	..	..	..	..	..	119	..	119	..
					Flounder ..	..	..	3	4	..	..	..	..	..	..	7	..	7	..
					Greater Weever.	..	..	2	1	..	..	..	..	..	..	3	..	3	..
					Thornback..	1	..	3	1	..	..	..	..	..	..	5	..	5	..

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.	
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.
LI 3	Brielle Ground ..	11 | f.s. & sh.	Mar. 31st	Plaice ..	..	8	7	..	..	..	..	..	..	..	..	15	..	15	..
B 296	52° 8 $\frac{1}{2}$ ' N., 3° 41 $\frac{1}{2}$ ' E.	13 | f.br.s.	6.30 a.m.	Dab ..	..	25	6	..	..	..	..	..	..	..	..	31	..	31	..
			2 hrs.	Flounder ..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Whiting ..	..	..	1	1	..	..	..	..	..	..	..	2	..	2	..
				Greater Weever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
				Thornback ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
LI 4	Brielle Ground ..	14 $\frac{1}{2}$ | f.s.	Mar. 31st	Plaice ..	..	225	173	2	..	..	..	..	..	..	..	400	..	400	..
B 297	52° 15 $\frac{1}{2}$ ' N., 3° 49 $\frac{1}{2}$ ' E.	13 | f.g.br.s.	9.30 a.m.	Dab ..	..	36	20	..	..	..	..	..	..	..	..	56	..	56	..
			2 hrs.	Flounder ..	..	1	5	..	..	..	..	..	..	..	..	6	..	6	..
				Brill ..	..	..	..	2	..	..	..	..	..	..	..	2	..	2	..
				Whiting ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
LI 5	Brielle Ground ..	13 | f.g.br.s.	Mar. 31st	Plaice ..	..	299	184	1	..	..	..	..	..	..	..	484	..	484	..
B 298	52° 18 $\frac{1}{2}$ ' N., 3° 58 $\frac{1}{2}$ ' E.	13 | f.s.	noon	Dab ..	..	49	24	..	..	..	..	..	..	..	..	73	..	73	..
			2 hrs.	Flounder ..	..	..	5	..	..	..	..	..	..	..	..	5	..	5	..
LII 22	Lowestoft Flats ..	17 | e.s.	Apr. 8th	Dab ..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
B (c.) 299	52° 24' N., 1° 59 $\frac{1}{2}$ ' E.	19 $\frac{1}{2}$ | s. & ross.	6 a.m.	Sole ..	..	..	1	3	..	..	..	..	..	..	..	4	..	4	..
	Covered net experiment No. 9.		1 $\frac{1}{2}$ hrs.	Cod ..	..	..	..	4	..	1	..	..	..	..	..	5	..	5	..
				Whiting ..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Thornback ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
LIII 1	Off Scheveningen ..	10 | d.s.	Apr. 18th	Plaice ..	..	20	3	..	..	..	..	..	..	..	..	23	..	23	..
O 290	52° 11 $\frac{1}{2}$ ' N., 4° 9 $\frac{1}{2}$ ' E.	11 | d.s.	1.25 p.m.	Dab ..	..	96	60	..	..	..	..	..	..	..	..	156	..	156	..
			1 hr.	Flounder ..	..	3	2	..	..	..	..	..	..	..	..	5	..	5	..
				Whiting ..	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..
LIII 2	Off Scheveningen ..	11 | d.s.	Apr. 18th	Plaice ..	..	37	31	..	..	..	..	..	..	..	..	68	..	68	..
O 291	52° 12 $\frac{3}{8}$ ' N., 4° 5 $\frac{1}{2}$ ' E.	12 | d.br.s.	2.50 p.m.	Dab ..	..	124	62	..	..	..	..	..	..	..	..	186	..	186	..
			1 hr.	Flounder ..	..	..	5	1	..	..	..	..	..	..	..	6	..	6	..
				Greater Weever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
				Sprat ..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
LIII 3	N.W. of Scheveningen	12 | f.br.s.	Apr. 18th	Plaice ..	..	224	127	2	..	..	..	..	..	..	..	353	..	353	..
O 292	52° 13' N., 3° 59 $\frac{1}{2}$ ' E.	12 | f.br.s.	4.15 p.m.	Dab ..	..	228	128	..	..	..	..	..	..	..	..	356	..	356	..
			2 hrs.	Flounder ..	..	1	4	1	..	..	..	..	..	..	..	6	..	6	..
				Brill ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Whiting ..	..	1	82	2	..	..	..	..	..	..	..	85	..	85	..
				Greater Weever ..	..	6	1	..	..	..	..	..	..	..	..	7	..	7	..
LIII 5	N.W. of Scheveningen	10 $\frac{1}{2}$ | g.br.s.	Apr. 19th	Plaice ..	..	35	76	1	..	..	..	..	..	..	..	112	..	112 $\frac{1}{2}$	Basket
O 293	52° 16 $\frac{1}{2}$ ' N., 4° 4 $\frac{3}{8}$ ' E.	12 | g.br.s.	6.15 a.m.	Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Basket
			1 $\frac{1}{2}$ hrs.	Whiting ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Basket
				Greater Weever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	Several	..
LIII 6	N.W. of Scheveningen	12 | g.br.s.	Apr. 19th	Plaice ..	..	80	53	..	..	..	..	..	..	..	..	133	..	133	..
O 294	52° 16 $\frac{1}{2}$ ' N., 3° 57 $\frac{1}{2}$ ' E.	12 $\frac{1}{2}$ | g.br.s.	8.15 a.m.	Dab ..	..	24	5	..	..	..	..	..	..	..	..	29	..	29	..
			1 $\frac{1}{2}$ hrs.	Whiting ..	..	1	72	9	..	..	..	..	..	..	..	82	..	82	..
				Mackerel ..	..	..	75	..	..	..	..	..	..	..	..	75	..	75	..
				Spur Dog ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
LIII 7	Northern Edge of Brielle Ground.	12 $\frac{1}{2}$ | g.br.s.	Apr. 19th	Plaice ..	..	17	110	..	..	..	..	..	..	..	..	127	..	127	..
O 295	52° 16 $\frac{1}{2}$ ' N., 3° 51 $\frac{1}{2}$ ' E.	13 | g.br.s.	10.15 a.m.	Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Basket
			1 $\frac{1}{2}$ hrs.	Whiting ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Basket
				Greater Weever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	Few	..
LIII 8	Northern Edge of Brielle Ground.	13 | g.br.s.	Apr. 19th	Plaice ..	..	71	324	8	..	..	..	..	..	..	..	403	..	403	..
O 296	52° 19 $\frac{1}{2}$ ' N., 3° 47' E.	14 | g.br.s.	12.10 p.m.	Dab ..	..	95	31	..	..	..	..	..	..	..	..	126	..	126	..
			1 $\frac{1}{2}$ hrs.	Turbot ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Cod ..	..	..	4	..	..	..	..	..	..	..	1	5	..	5	..
				Whiting ..	..	..	224	28	..	..	..	..	..	..	..	252	..	252	..
				Grey Gurnard ..	..	3	13	..	..	..	..	..	..	..	..	16	..	16	..
				Greater Weever ..	..	..	36	3	1	..	..	..	..	..	..	40	..	40	..

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..												Measured.		Total Catch.			
				0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	No.	Kg.	No.	Kg.			
LIV 1 O 297	West of Middle Ground. 52° 17 $\frac{1}{2}$ ' N., 2° 36 $\frac{1}{2}$ ' E.	23 | g.s. & sh. 23 | g.s.	Apr. 28th 4 a.m. 2 hrs.	Plaice ..	..	5	33	13	..	..	..	..	..	..	..	51	..	51	..
				Dab	95	11	106	..	106	..	
				Lemon Dab..	..	1	3	4	..	4	..	
				Turbot	1	1	1	3	..	3	..	
				Brill	1	1	..	1	..	
				Cod	15	1	1	17	..	17	..	
				Whiting	3	157	34	1	195	..	195	..	
				Pout	8	1	9	..	9	..	
				Grey Gurnard	1	10	4	15	..	15	..	
				Latchet	2	3	5	..	5	..	
				Red Gurnard	2	2	..	2	..	
				Greater Weever. Thornback	137	..
				Spur Dog	12	..
Spotted Dog ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..		
LIV 2 O 298	Middle Ground .. 52° 19 $\frac{1}{2}$ ' N., 2° 41 $\frac{1}{2}$ ' E.	23 | g.s. 24 | g.br.s.	Apr. 28th 6.30 a.m. 1 $\frac{1}{2}$ hrs.	Plaice ..	..	1	5	5	..	..	..	..	..	..	11	..	11	..	
				Dab ..	..	31	5	..	..	..	..	..	..	..	..	36	..	36	..
				Cod ..	..	..	2	2	..	..	..	..	..	..	..	4	..	4	..
				Haddock ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Whiting ..	..	6	67	20	..	..	..	..	..	..	..	93	..	93	..
				Grey Gurnard ..	..	..	9	2	..	..	..	..	..	..	..	11	..	11	..
				Latchet ..	..	..	1	4	..	1	..	..	..	..	..	6	..	6	..
				Mackerel ..	..	..	20	..	..	..	..	..	..	..	..	20	..	20	..
				Greater Weever. Spur Dog	89	..
				Spotted Dog	1	..
LIV 3 O 299	Middle Ground .. 52° 20' N., 2° 46 $\frac{1}{2}$ ' E.	21 | g.br.s. & sh. 20 | g.br.s. & sh.	Apr. 28th Noon 1 $\frac{1}{2}$ hrs.	Plaice ..	..	9	103	16	..	..	..	..	..	..	128	..	128	..	
				Dab ..	..	47	20	..	..	..	..	..	..	..	..	67	..	67	..
				Turbot ..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..
				Cod ..	..	..	3	1	..	..	..	..	..	..	..	5	..	5	..
				Whiting ..	..	2	287	26	..	..	..	..	..	..	..	315	..	315	..
				Pout ..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard ..	..	..	9	2	..	..	..	..	..	..	..	11	..	11	..
				Latchet ..	..	1	5	12	5	1	..	..	..	..	..	24	..	24	..
				Mackerel ..	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
				Greater Weever. Horse Mackerel. Spur Dog	108	..
LV 2 O 301	Leman Ground .. 53° 27' N., 2° 42 $\frac{1}{2}$ ' E.	15 $\frac{1}{2}$ | f.d.s. 16 | f.d.s.	May 10th 6 a.m. 4 hrs.	Plaice ..	..	15	55	31	3	5	..	..	..	..	109	..	109	..	
				Dab ..	..	550	48	4	..	..	..	..	..	..	..	602	28	602	28
				Lemon Dab ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Sole ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Turbot ..	..	..	..	5	..	..	..	..	..	..	..	5	..	5	..
				Haddock ..	..	85	87	..	..	..	..	..	..	..	..	172	12	172	12
				Whiting ..	..	13	178	33	..	..	..	..	..	..	..	224	33	[468]	69
				Grey Gurnard. Mackerel ..	..	..	3	1	..	..	..	..	..	..	..	4	..	1 $\frac{1}{2}$ Bas kets. 4	27
				Sprat ..	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..
				Thornback ..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..
Spur Dog ..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..				
Tepe ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..				
LV 3 O 302	Eastern Edge of Leman Ground. 53° 22' N., 3° 4 $\frac{1}{2}$ ' E.	16 | f.d.s. 13 $\frac{1}{2}$ | f.d.s.	May 10th 10.30 a.m. 4 hrs.	Plaice ..	..	1	7	13	4	6	..	..	..	..	31	19	31	19	
				Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	2 Bas- kets. 2	60
				Sole ..	..	..	2	..	..	..	..	..	..	..	..	2	..	..	..
				Turbot ..	..	..	1	2	3	..	..	..	..	..	..	6	10	6	10
				Cod ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
Haddock ..	..	154	164	..	..	..	..	..	..	..	..	..	318	2	318	26			

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms. and Soil).	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	18+	23+	27+	31+	35+	39+	Measured.		Total Catch.		
					Cm. ..	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.	
LV 7 O 306	Texel Ground—cont. 52° 57½' N., 4° 7½' E.	14½ f.g.s. 16 f.g.s.	May 11th 5.30 a.m. 4½ hrs.	Horse Mackerel. Greater Weever. Red Mullet.. Tope ..	..	..	..	..	..	..	..	..	..	..	..	..	..	35	..	
LV 8 O 307	Texel Ground .. 52° 52½' N., 4° 19½' E.	16 f.g.s. 13 f.g.s. 12 f.g.s.	May 11th 10.30 a.m. 4½ hrs.	Plaice .. Dab .. Flounder .. Sole .. Turbot .. Brill .. Grey Gurnard Latchet .. Mackerel .. Horse Mackerel. Greater Weever. Spur Dog .. Tope ..	..	252	188	1	..	..	..	..	..	..	..	..	441	38	[2193]	189
LV 9 O 308	Texel Ground .. 52° 54½' N., 4° 23' E.	12 f.g.s. 13½ f.g.s.	May 11th 3.30 p.m. 4 hrs.	Plaice .. Dab .. Sole .. Turbot .. Whiting .. Grey Gurnard Greater Weever.	..	147	53	..	..	..	..	..	..	..	..	..	200	14½	[2448]	177½
LV 10 O 309	Texel Ground .. 52° 52' N., 4° 25½' E.	13½ f.g.s. 11 f.g.s.	May 11th 8 p.m. 4 hrs.	Plaice .. Dab .. Sole .. Brill .. Whiting .. Grey Gurnard Red Mullet.. Greater Weever. Thornback..	..	167	33	..	..	..	..	..	..	..	..	..	200	11	[3091]	170
LV 11 B (c.) 300	S.W. of Kykduin, L.H. 52° 47½' N., 4° 34½' E. Covered net experiment (No. 10).	7 f.d.s. 9 f.d.s. & m.	May 12th 5.30 a.m. 1½ hrs.	Plaice .. Dab .. Whiting .. Greater Weever.	..	6	160	33	1	..	..	..	..	..	..	..	200	11	[2327]	128
LV 12 B (c.) 301	S.W. of Kykduin, L.H. 52° 47½' N., 4° 34½' E. Covered net experiment (No. 11).	7 f.d.s. 10 f.d.s.	May 15th 3.20 p.m. 2 hrs.	Plaice .. Dab .. Lemon Dab Flounder .. Sole .. Brill .. Cod .. Whiting .. Latchet .. Greater Weever. Sprat.. Thornback..	..	6	490	218	6	..	..	..	..	..	..	..	720	55½	720	55½
LV 13 O 310	Brown Ridges .. 52° 44½' N., 3° 27½' E.	15 f.g.s. 16 f.g.br.s.	May 16th 4.40 a.m. 4½ hrs.	Plaice .. Dab .. Turbot .. Cod .. Whiting .. Grey Gurnard	..	29	208	67	..	..	..	..	..	..	..	..	304	62	304	62
					..	292	51	..	..	..	..	..	..	..	..	..	343	19	343	19
					..	..	1	2	1	..	..	..	..	..	..	..	4	11	4	11
					..	..	13	..	..	..	..	..	..	..	..	..	13	..	13	..
					..	3	444	43	1	..	..	..	..	..	..	..	491	81	491	81
					..	25	85	2	..	..	..	..	..	..	..	..	112	14	119	14

TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour, Shot, and Duration.	Ins. ..														Measured.		Total Catch.	
				0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	No.	Kg.	No.	Kg.			
				Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+						
LV 13 O 310	Brown Ridges—cont. 52° 44 $\frac{1}{2}$ ' N., 3° 27 $\frac{3}{8}$ ' E.	15 f.g.s. 16 f.g.br.s.	May 16th 4.40 a.m. 4 $\frac{1}{2}$ hrs.	Latchet	11	7	2	1	21	..	21	..		
				Red Mullet.. .. .	5	5	..	5	..		
				Greater Weever. Spur Dog	283	43		
				Tope	15	..		
					2		
LV 14 O 311	West part of Brown Ridges. 52° 45 $\frac{1}{2}$ ' N., 3° 14 $\frac{1}{2}$ ' E.	16 f.g.br.s. 16 f.g.s.	May 16th 9.30 a.m. 5 hrs.	Plaice	38	241	87	..	..	..	..	..	..	..	366	..	366	..
				Dab	328	59	..	..	..	..	..	..	..	..	387	..	387	..
				Sole .. .. .	..	6	..	..	..	..	..	..	..	..	6	..	6	..
				Turbot .. .. .	..	..	..	2	2	1	..	..	..	..	5	..	5	..
				Brill .. .. .	..	..	..	..	1	..	..	..	..	..	1	..	1	..
				Cod .. .. .	..	..	..	8	..	..	..	..	..	..	8	..	8	..
				Whiting .. .. .	..	116	6	..	..	..	..	..	..	..	122	..	122	..
				Grey Gurnard .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	131	..
				Latchet .. .. .	..	7	7	1	..	..	..	..	..	..	15	..	15	..
				Red Mullet.. .. .	..	2	..	..	..	..	..	..	..	..	2	..	2	..
				Greater Weever. Thornback.. .. .	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Spur Dog .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	54	..
				Tope .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	4	..
LVI 9 B 302	Bridlington Bay .. 54° 23' N., 0° 9' W.	5 f.d.s. 6 f.d.s.	May 24th 6.45 a.m. 1 hr.	Plaice	31	11	..	..	..	..	..	..	..	..	42	..	42	..
				Dab	15	15	..	..	..	..	..	..	..	..	30	..	30	..
				Turbot .. .. .	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Brill .. .. .	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard	5	1	..	..	..	..	..	..	..	..	6	..	6	..
				Angler .. .. .	..	2	..	..	..	..	..	..	..	..	2	..	2	..
				Thornback.. .. .	..	2	..	..	..	..	..	..	..	..	2	..	2	..
				Spur Dog .. .. .	..	..	..	..	..	1	..	..	..	..	1	..	1	..
LVI 10 B 303	Bridlington Bay .. 54° 18' N., 0° 9' W.	6 f.d.s. 6 f.d.s.	May 24th 8.15 a.m. 1 hr.	Plaice	22	13	..	..	..	..	..	..	..	..	35	..	35	..
				Dab	17	15	1	..	..	..	..	..	..	..	33	..	33	..
				Sole .. .. .	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Turbot .. .. .	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard .. .. .	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Thornback.. .. .	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Skate.. .. .	..	1	..	..	..	..	..	..	..	..	1	..	1	..
LVI 11 B 304	Bridlington Bay .. 54° 18' N., 0° 9' W.	6 f.d.s. 6 $\frac{1}{2}$ f.d.s.	May 24th 9.35 a.m. 1 hr.	Plaice	29	8	..	..	..	..	..	..	..	..	37	..	37	..
				Dab	20	16	..	..	..	..	..	..	..	..	36	..	36	..
				Sole .. .. .	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Cod	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard .. .. .	..	1	1	..	..	..	..	..	..	..	2	..	2	..
				Sprat.. .. .	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Thornback.. .. .	..	1	2	1	..	..	..	..	..	..	4	..	4	..
LVI 13 B 305	N.E. of Brown Ridges 52° 52 $\frac{1}{2}$ ' N., 3° 51 $\frac{1}{2}$ ' E.	15 f.d.s. 14 f.d.s.	May 25th 6.30 a.m. 1 $\frac{1}{4}$ hrs.	Plaice	1	41	1	..	..	..	..	..	..	..	43	..	43	..
				Dab	6	2	..	..	..	..	..	..	..	..	8	..	8	..
				Turbot .. .. .	..	..	..	1	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard	4	5	..	..	..	..	..	..	..	..	9	..	9	..
				Greater Weever. Thornback.. .. .	..	11	..	..	..	..	..	..	..	..	11	..	11	..
					..	..	..	1	..	..	..	..	..	..	1	..	1	..
LVI 14 B 306	Texel Ground .. 52° 54 $\frac{1}{2}$ ' N., 4° 17 $\frac{3}{8}$ ' E.	15 f.d.s. 13 f.d.s.	May 25th 10.10 a.m. 1 hr.	Plaice	86	44	1	..	..	..	..	..	..	..	141	..	141	..
				Dab	9	5	..	..	..	..	..	..	..	..	14	..	14	..
				Turbot .. .. .	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard	4	2	..	..	..	..	..	..	..	..	6	..	6	..
				Greater Weever. .. .. .	..	2	..	..	..	..	..	..	..	..	2	..	2	..

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.		
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.
LVI 15	Texel Ground ..	13 | f.d.s.	May 25th	Plaice ..	..	94	62	..	..	..	..	..	..	..	..	156	..	156	..
B 307	52° 54½' N., 4° 20¼' E.	13 | f.d.s.	11.35 a.m.	Dab ..	..	1	30	8	..	..	..	..	..	..	..	39	..	39	..
			1 hr.	Sole ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Turbot ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Brill ..	..	..	..	1	1	1	..	..	..	..	..	3	..	3	..
				Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..
				Greater Weever. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	18	..
LVI 16	Texel Ground ..	13 | f.d.s.	May 25th	Plaice ..	..	36	32	..	..	..	..	..	..	..	..	68	..	68	..
B 308	52° 56' N., 4° 19½' E.	13½ | f.d.s.	1 p.m.	Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	39	..
			1 hr.	Turbot ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard	[5]	..
				Greater Weever.	[18]	..
LVI 17	Texel Ground ..	13½ | f.d.s.	May 25th	Plaice ..	..	43	27	1	..	..	..	..	..	..	..	71	..	71	..
B 309	52° 57' N., 4° 19¼' E.	13½ | f.d.s.	2.25 p.m.	Dab ..	..	..	11	1	..	..	..	..	..	..	..	12	..	12	..
			1 hr.	Sole ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Latchet ..	..	..	..	2	..	..	..	..	..	..	..	2	..	2	..
				Greater Weever. ..	..	..	..	3	..	..	..	..	..	..	..	3	..	3	..
LVI 18	Texel Ground ..	13½ | f.d.s.	May 25th	Plaice ..	..	44	34	..	..	..	..	..	..	..	..	78	..	78	..
B 310	52° 56½' N., 4° 17¼' E.	14 | f.g.s.	4 p.m.	Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	ca. 12	..
			1 hr.	Sole ..	..	..	..	2	1	..	..	..	..	..	..	3	..	3	..
				Greater Weever. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Few
LVI 19	Texel Ground ..	14 | f.g.s.	May 25th	Plaice ..	..	7	16	..	..	..	..	..	..	..	..	23	..	23	..
B 311	52° 56½' N., 4° 13½' E.	17 | f.g.s.	5.20 p.m.	Dab ..	..	..	4	..	..	..	..	..	..	..	..	4	..	4	..
			1 hr.	Sole ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Turbot ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard ..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Latchet ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
LVI 20	Texel Ground ..	17 | f.g.s.	May 5th	Plaice ..	..	9	121	1	..	..	..	..	..	..	..	131	..	121	..
B 312	52° 50¾' N., 4° 12¾' E.	17 | f.g.s.	6.45 p.m.	Dab ..	..	..	61	8	..	..	..	..	..	..	..	69	..	69	..
			1½ hr.	Sole ..	..	..	..	2	3	..	..	..	..	..	..	5	..	5	..
				Turbot ..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard ..	..	31	6	..	..	..	..	..	..	..	..	37	..	37	..
				Latchet ..	..	..	..	1	..	2	..	..	..	..	..	3	..	3	..
				Greater Weever. ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Thornback ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
LVI 28	Dogger Bank, North part of S.W. Patch.	11½ | f.g.s. & sh.	May 26th	Plaice ..	..	..	..	1	1	..	..	..	..	..	..	2	..	2	..
B (c.) 313	54° 37¼' N., 1° 48¼' E.	12 | f.g.s. & sh.	7.20 p.m.	Dab ..	..	..	15	18	2	..	..	..	..	..	..	35	..	35	..
	Covered net experiment (No. 12).		1 hr.	Cod ..	..	..	..	3	3	2	..	..	..	..	..	8	..	8	..
				Haddock ..	..	..	1	10	4	4	1	..	..	..	..	20	..	20	..
				Whiting ..	..	..	6	11	2	..	..	..	..	..	..	19	..	19	..
				Grey Gurnard ..	..	10	19	..	..	..	..	..	..	..	..	29	..	29	..
LVI 30	Off Saltfleet ..	7 | c.d.s.	May 29th	Plaice ..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
B 314	53° 20¼' N., 0° 18½' E.	7 | d.s. & gvl.	4 p.m.	Dab ..	..	..	1	3	..	..	..	..	..	..	..	4	..	4	..
			1 hr.	Flounder ..	..	..	..	2	11	..	..	..	..	..	..	13	..	13	..
				Sole ..	..	..	1	23	9	..	..	..	..	..	..	33	..	33	..
				Brill ..	..	..	..	..	3	1	..	..	..	..	..	4	..	4	..
				Cod ..	..	..	..	..	..	..	2	..	..	..	..	2	..	2	..
				Whiting ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Angler ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Thornback ..	..	1	..	1	5	..	..	..	..	..	..	7	..	7	..
				Black Skate ..	..	..	..	3	..	..	..	..	..	..	..	3	..	3	..
				Homelyn ..	..	..	..	1	1	..	..	..	..	..	..	2	..	2	..

TRAWLING INVESTIGATIONS.

Voyage, Section, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins.	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.		
					Cm.	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.	
LVI 31	Off Mablethorpe ..	7	s. & gvl.	May 29th	Plaice	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
B 315	53° 22 $\frac{1}{2}$ ' N., 0° 20 $\frac{1}{2}$ ' E.	6	s. & gvl.	6.10 p.m.	Sole	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				1 hr.	Brill	..	..	..	..	2	..	..	..	..	..	..	2	..	2	..
					Thornback	..	..	4	6	..	..	..	..	..	..	..	10	..	10	..
					Homelyn	..	2	3	3	1	..	..	..	..	..	..	9	..	9	..
LVI 32	Off Mablethorpe ..	6	s. & gvl.	May 29th	Sole	..	..	3	6	..	..	..	..	..	..	..	9	..	9	..
B 316	53° 23 $\frac{1}{2}$ ' N., 0° 22 $\frac{1}{2}$ ' E.	7	s. & gvl.	7.30 p.m.	Pout	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				1 hr.	Thornback	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Homelyn	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
LVI 33	Flamborough Off ..	25	c.d.s.	May 30th	Plaice	..	..	..	3	1	..	..	..	..	..	..	4	..	4	..
B 317	53° 58' N., 0° 41 $\frac{1}{2}$ ' E.	26	f.d.s.	3.30 a.m.	Dab	..	1	20	..	..	..	..	..	..	..	..	21	..	21	..
				1 hr.	Lemon Dab..	..	..	..	5	..	..	..	..	..	..	..	5	..	5	..
					Cod	..	..	6	10	1	1	..	..	1	..	..	19	..	19	..
					Haddock	..	..	18	12	2	..	..	..	..	..	..	32	..	32	..
					Grey Gurnard	..	6	1	..	..	..	..	..	..	..	..	7	..	7	..
LVI 34	Flamborough Off ..	26	f.d.s.	May 30th	Plaice	..	..	1	4	12	9	1	..	..	..	..	27	..	27	..
B 318	54° 3 $\frac{1}{2}$ ' N., 0° 43 $\frac{1}{2}$ ' E.	27	f.d.s.	5 a.m.	Dab	..	..	276	11	..	..	..	..	..	..	..	287	..	287	..
				4 hrs.	Lemon Dab..	..	..	..	1	6	1	..	..	..	..	..	8	..	8	..
					Sole	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Turbot	..	..	..	..	3	1	..	..	..	..	..	4	..	4	..
					Cod	..	..	..	4	4	1	2	..	1	..	..	12	..	12	..
					Haddock	..	..	19	5	..	..	..	..	..	..	..	24	..	24	..
					Whiting	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Grey Gurnard	..	23	3	..	..	..	..	..	..	..	..	26	..	26	..
LVI 35	Flamborough Off ..	27	f.d.s.	May 30th	Plaice	..	..	..	2	4	3	..	..	..	..	..	9	..	9	..
O 312	54° 5' N., 0° 41 $\frac{1}{2}$ ' E.	27	f.d.s.	9.45 a.m.	Dab	..	..	..	11	..	..	..	..	..	..	..	11	..	11	..
	Round turn in middle of net when hauled.			4 hrs.	Turbot	..	..	..	..	..	..	..	1	..	..	..	1	13 $\frac{1}{2}$	1	13 $\frac{1}{2}$
					Cod	..	..	..	1	3	1	..	..	1	1	..	7	..	7	..
					Haddock	..	..	76	17	5	1	..	..	..	..	..	99	..	99	..
					Whiting	..	..	6	10	3	..	..	..	..	..	..	19	..	19	..
					Coal Fish	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..
					Grey Gurnard	..	..	7	1	..	..	..	..	..	..	..	8	..	8	..
					Ling	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..
					Angler	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..
LVI 36	Flamborough Off ..	27	f.d.s.	May 30th	Plaice	..	..	..	4	4	1	..	..	..	..	..	9	..	9	..
B (c.) 39	54° 1 $\frac{1}{2}$ ' N., 0° 40 $\frac{1}{2}$ ' E.	26	g.s. & sh.	2.30 p.m.	Dab	..	..	23	4	..	..	..	..	..	..	..	27	..	27	..
	Covered net experiment, No. 13.			1 hr.	Lemon Dab..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Cod	..	..	3	1	2	1	..	..	..	..	..	7	..	7	..
					Haddock	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
					Grey Gurnard	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
					Greater Weever.	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
LVI 38	South of The Hills ..	27	f.g.s.	May 30th	Plaice	..	..	1	4	27	6	..	..	..	..	..	38	21	38	21
O 313	54° 11' N., 0° 58 $\frac{1}{2}$ ' E.	29	f.g.s.	7 p.m.	Dab	..	..	298	9	..	..	..	..	..	..	..	307	12	[512]	20
				2 hrs.	Lemon Dab	..	..	..	7	2	..	..	..	..	..	..	9	6 $\frac{1}{2}$	9	6 $\frac{1}{2}$
					Long Rough Dab.	..	..	1	2	..	..	..	..	..	..	..	3	..	3	..
					Cod	..	..	5	40	11	7	..	1	1	3	1	70	65	70	65
					Haddock	..	..	83	52	2	..	..	..	..	..	..	137	12	[879]	77
					Whiting	..	..	6	122	8	..	..	..	..	..	..	136	23	[315]	53
					Coal Fish	..	..	..	..	..	..	..	..	2	..	..	2	19 $\frac{1}{2}$	2	19 $\frac{1}{2}$
					Grey Gurnard.	..	69	56	1	..	..	..	..	..	..	..	126	11	126	11
					Greater Weever.	..	..	3	..	..	..	..	..	..	..	..	3	..	3	..
					Starry Ray..	..	..	1	3	..	..	..	..	..	..	..	4	..	4	..

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	Cm. ..												Measured.		Total Catch.	
					0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	No.	Kg.	No.	Kg.	
LVI 40 O 314	Dogger Bank, North of S.W. Patch. 54° 43' N., 2° 19' E.	14½ f.g.s. & sh.	May 31st	Plaice	..	..	5	6	1	..	..	..	..	..	..	12	5½	12	5½	
			4.45 a.m.	Dab ..	..	..	211	117	25	..	..	..	..	..	..	..	353	35	[1225]	121½
		10½ f.g.s. & sh.	4 hrs.	Turbot	..	..	..	..	..	2	1	1	..	..	..	..	4	17	4	17
			Cod ..	..	..	..	30	4	1	1	1	..	..	..	..	..	37	12	37	12
			Haddock	..	..	174	170	7	4	..	..	..	..	..	..	..	355	34	[449]	43
			Whiting	..	..	2	48	15	..	..	..	..	..	..	..	..	65	11	[236]	40
			Grey Gurnard.	..	..	111	123	5	..	..	..	..	..	..	..	..	239	20	239	20
			Spur Dog	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
LVI 42 B(c.) 320	Dogger Bank, North Edge of Eastern Shoal. 54° 42½' N., 2° 29½' E. Covered net experi- ment, No. 14.	10½ f.g.s. & sh.	May 31st	Plaice	..	..	..	1	1	..	..	..	..	..	..	2	..	2	..	
		9.25 a.m.	Dab ..	..	..	7	35	25	7	..	..	..	..	..	..	74	..	74	..	
		10½ f.g.s. & sh.	1 hr.	Turbot	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
		Haddock	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
		Whiting	..	..	..	1	..	1	..	..	..	..	..	..	..	..	2	..	2	..
		Grey Gurnard. Greater Weever.	..	..	..	10	5	..	..	..	..	..	..	..	..	..	15	..	15	..
LVI 43 O 315	Dogger Bank, Eastern Shoal. 54° 38½' N., 2° 43' E.	11 f.g.s. & sh.	May 31st	Plaice	..	..	2	13	2	..	..	..	..	..	..	17	9	17	9	
		16 f.d.g.s.	noon.	Dab ..	..	..	21	40	7	..	..	..	..	..	..	68	13	[246]	47	
		4 hrs.	Turbot	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
			Cod ..	..	..	..	3	..	..	..	..	..	..	..	..	..	3	..	3	..
			Haddock	..	..	40	60	9	15	..	..	..	..	..	..	..	124	28	[248]	56
			Whiting	..	..	1	114	42	1	..	..	..	..	..	..	..	158	29	158	29
			Grey Gurnard. Mackerel	..	..	19	75	6	..	..	..	..	..	..	..	..	100	12	[183]	22
			..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
LVI 45 O 316	Dogger Bank, Hospital. 54° 30½' N., 2° 57½' E.	18½ f.d.g.s.	May 31st	Plaice	..	..	3	11	4	1	..	..	..	..	..	19	..	19	..	
		19½ f.d.g.s.	5.30 p.m.	Dab ..	..	..	156	44	7	..	..	..	..	..	..	207	..	207	..	
		3 hrs.	LemonDab ..	..	..	1	1	..	..	..	..	..	..	..	..	..	2	..	2	..
			Turbot	..	..	..	..	..	2	..	..	..	..	..	..	..	2	..	2	..
			Cod ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
			Haddock	..	..	118	97	39	47	1	..	..	..	..	..	..	302	..	302	..
			Whiting	..	..	2	69	42	2	..	..	..	..	..	..	..	115	..	115	..
			Grey Gurnard	..	..	20	58	..	..	..	..	..	..	..	..	..	78	..	78	..
Starry Ray ..	..	..	1	1	..	..	..	..	..	..	..	..	..	2	..	2	..			
LVI 47 O 317	North of Cleaver Bank 54° 22' N., 3° 29' E.	25 s. & m.	June 1st	Plaice	..	..	20	36	1	..	..	..	..	..	..	57	19½	57	19½	
		23 f.d.s.	6 a.m.	Dab ..	..	1	355	22	2	..	..	..	..	..	..	380	16½	380	16½	
		3 hrs.	Turbot	..	..	..	..	..	6	..	..	..	..	..	..	..	6	13	6	13
			Cod ..	..	..	..	10	1	..	..	1	1	1	..	..	..	14	..	14	..
			Haddock	..	..	107	189	22	26	..	..	..	..	..	..	..	344	63½	523]	96½
			Whiting	..	..	3	92	36	1	..	..	..	..	..	..	..	132	36½	132	36½
			Grey Gurnard	..	..	99	87	3	..	..	..	..	..	..	..	..	189	17	189	17
			Spur Dog	..	..	..	..	..	1	..	1	..	..	..	..	..	2	..	2	..
LVI 53 B 321	Between Cleaver Bank and New Zealand. 54° 49½' N., 3° 33½' E.	21 f.g.s.	June 1st	Plaice	..	..	2	10	3	1	..	..	..	..	..	16	..	16	..	
		19 f.g.s.	5.25 p.m.	Dab ..	..	..	143	8	1	..	..	..	..	..	..	152	..	152	..	
		2 hrs.	Turbot	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
			Cod ..	..	..	..	1	1	..	..	..	..	..	..	..	..	2	..	2	..
			Haddock	..	..	24	12	..	..	..	..	..	..	..	..	..	36	..	36	..
			Whiting	..	..	3	..	2	..	..	..	..	..	..	..	..	5	..	5	..
			Grey Gurnard	..	..	47	7	1	..	..	..	..	..	..	..	..	55	..	55	..
			Red Mullet ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
Thornback ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..			
Spur Dog ..	..	..	..	..	..	1	1	1	..	..	..	..	..	3	..	3	..			
LVI 56 B 322	Brown Bank .. 53° 11½' N., 3° 18½' E.	15 f.g.s.	June 2nd	Plaice	..	..	9	16	35	7	..	..	..	..	..	67	..	67	..	
		13½ f.g.s.	2.30 a.m.	Dab ..	..	..	62	20	3	..	..	..	..	..	..	85	..	85	..	
		2 hrs.	Sole ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
			Turbot	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
Haddock	..	..	36	7	..	..	..	..	..	..	..	..	..	43	..	43	..			

TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins.														Measured.		Total Catch.			
				0+	4+	8+	12+	15½+	19½+	23½+	27½+	31½+	35½+	39½+	43½+	47½+	51½+	55½+	59½+	No.	Kg.	No.	Kg.
LVI 56	Brown Bank—cont.	15 f.g.s.	June 2nd	Whiting	..	..	2	5	..	..	..	..	..	..	..	..	..	..	7	..	7	..
B 322	53° 11½' N., 3° 19¼' E.	13½ f.g.s.	2.30 a.m.	Grey Gurnard	..	..	35	4	..	..	..	..	..	..	..	..	..	..	39	..	39	..
			2 hrs.	Greater Weever.	20	..
				Spur Dog	1	..
LVI 57	Brown Bank	13½ f.g.s.	June 2nd	Plaice	..	..	..	4	14	1	..	..	..	..	..	..	..	..	19	..	19	..
B 323	53° 12¾' N., 3° 21' E.	17½ f.g.s.	5 a.m.	Dab	..	..	..	1	1	..	..	..	..	..	..	..	..	..	2	½ Bas- ket.	11	..
			2 hrs.	Turbot	..	..	..	..	..	1	..	..	1	..	..	..	..	..	2	..	2	..
				Haddock	..	..	..	1	1	..	..	..	..	..	..	..	..	..	2	..	9	..
				Whiting	..	..	..	4	2	..	..	..	..	..	..	..	..	..	6	..	6	..
				Grey Gurnard	..	..	..	1	..	1	..	..	..	..	..	..	..	..	2	..	69 (small)	..
				Greater Weever.	9	..
LVII 21	Lynn Deep	9 s.m.	June 16th	Plaice	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
B 324	52° 57¾' N., 0° 19' E.	12	4.10 a.m.	Dab	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
		14 s.m.	1½ hrs.	Sole	..	..	..	..	13	6	..	..	..	..	..	..	..	..	19	¾	19	¾
		16 cs. & m.		Brill	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Angler	..	..	..	..	1	..	..	..	1	..	..	..	..	..	2	..	2	..
				Thornback	..	..	..	1	4	..	..	2	..	..	..	..	..	..	7	¾	7	¾
				Black Skate	..	..	..	3	10	..	..	..	..	..	..	..	..	..	13	2½	13	2½
				Homelyn	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
LVII 22	Off Mablethorpe ..	7½ spk. s.	June 16th	Plaice	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
B 325	53° 21¼' N., 0° 22¾' E.	8	8.50 a.m.	Sole	..	..	..	..	7	6	1	..	..	..	..	..	..	..	14	4	14	4
		9 s.m.	3 hrs.	Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2½	2	2½
		7½ spk.s.		Cod	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Pout	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Thornback	..	..	..	1	3	..	..	..	..	..	..	..	..	..	4	..	4	..
				Black Skate	..	..	..	1	4	1	..	..	..	..	..	..	..	..	6	2	6	2
				Homelyn	..	..	..	..	3	2	..	..	..	..	..	..	..	..	5	6½	5	6½
LVII 29	North of Blakeney Overfall.	11 s. & sh.	June 16th	Plaice	..	..	..	4	1	..	..	..	..	..	..	..	..	..	5	..	5	..
B 326	53° 5¾' N., 0° 58½' E.	12 s. & sh.	2.30 p.m.	Dab	..	..	..	10	2	..	..	..	..	..	..	..	..	..	12	..	12	..
			1 hr.	Lemon Dab.	..	..	..	9	3	..	..	..	..	..	..	..	..	..	12	..	12	..
				Sole	..	..	..	..	6	1	..	..	..	..	..	..	..	..	7	..	7	..
				Cod	..	..	..	3	10	1	..	..	..	..	..	..	..	..	14	2	14	2
				Pout	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Homelyn	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Spur Dog	..	..	..	..	..	..	2	2	..	..	..	..	..	..	4	..	4	..
LVIII 3	Between Knoll Deep and Middle Ground	24 f.spk.s.	June 20th	Plaice	..	..	..	26	8	1	1	..	..	..	..	..	..	..	36	..	36	..
B 328	52° 27½' N., 2° 38¼' E.	26 f.spk.s.	5.40 a.m.	Dab	..	..	..	33	9	..	..	..	..	..	..	..	..	..	42	..	42	..
			¾ hrs.	Brill	..	..	..	..	..	1	1	..	..	..	..	..	..	..	2	..	2	..
				Cod	..	..	..	7	1	..	..	..	..	..	..	..	..	..	8	..	8	..
				Haddock	..	..	..	18	29	..	..	..	..	..	..	..	..	..	47	..	47	..
				Whiting	..	..	..	3	38	11	..	..	..	..	..	..	..	..	52	..	52	..
				Pout	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Poor Cod	..	..	..	6	..	..	..	..	..	..	..	..	..	..	6	..	6	..
				Grey Gurnard	..	..	..	2	12	2	..	..	..	..	..	..	..	..	16	..	16	..
				Latchet	..	..	..	..	1	..	1	..	..	..	..	..	..	..	2	..	2	..
				Red Gurnard	..	..	..	18	9	..	..	..	..	..	..	..	..	..	27	..	27	..
				Thornback	..	..	..	1	2	2	1	..	..	..	..	..	..	..	6	..	6	..
				Spur Dog	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	14	..
				Lesser Spotted Dog.	..	..	..	1	1	..	..	1	..	..	..	..	..	..	3	..	3	..
LVIII 4	North of Middle Ground.	26 f.spk.s.	June 20th	Plaice	..	..	..	1	25	6	1	..	..	..	..	..	..	..	33	..	33	..
B 329	52° 27½' N., 2° 51¼' E.	23½ f.g.s.	9.30 a.m.	Dab	..	..	..	24	11	2	..	..	..	..	..	..	..	..	37	..	37	..
	Came fast, hauled, found net all right.		2½ hrs.	Lemon Dab.	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Sole	..	..	..	..	1	1	..	..	..	..	..	..	..	..	2	..	2	..
				Cod	..	..	..	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..
				Haddock	..	..	..	..	6	..	..	..	..	..	..	..	..	..	6	..	6	..

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..												Measured.		Total Catch.			
				0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	No.	Kg.	No.	Kg.			
				Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+						
LVIII 4 B 329	North of Middle Ground—cont. 52° 27½' N., 2° 51½' E.	26 f. spk. s. 23½ f.g.s.	June 20th 9.30 a.m. 2½ hrs.	Whiting ..	6	21										27	..	27	..		
				Pout ..	1												1	..	1	..	
				Grey Gurnard ..	3	5												8	..	8	..
				Red Gurnard ..		4	1											5	..	5	..
				Thornback ..		2	2		3									7	..	7	..
				Tope ..																	1
LVIII 6 B 330	North of Middle Ground. 52° 29½' N., 3° 2½' E.	23½ f.g.s. 20 f.g.s. & sb.	June 20th 12.50 p.m. 3½ hrs.	Plaice ..														1	..		
				Dab ..															5	..	
				Whiting ..																1	..
				Grey Gurnard ..																1	..
LVIII 8 B 331	Between Winterton Shoal and Brown Ridges. 52° 36½' N., 3° 12½' E.	20 f.g.s. & s.h. 19 f.g.s. & s.h.	June 20th 6 p.m. 3 hrs.	Plaice ..	28	15	1									44	..	44	..		
				Dab ..	107	13											120	..	120	..	
				Sole ..		1											1	..	1	..	
				Turbot ..		1											1	..	1	..	
				Cod ..		9											9	..	9	..	
				Haddock ..	4	11											15	..	15	..	
				Whiting ..		29	1										30	..	30	..	
				Grey Gurnard ..	16	6											22	..	22	..	
				Greater Weever ..		4											4	..	4	..	
				LVIII 10 B 332	North part of Brown Ridges. 52° 46½' N., 3° 20½' E.	16½ f.d.s. 15 21 19 16 f.g.s.	June 21st 3.15 a.m. 3 hrs.	Plaice ..	7	52	18									77	..	77	..
Dab ..	90	9															99	..	99	..	
Lemon Dab ..	1																1	..	1	..	
Turbot ..			1														1	..	1	..	
Cod ..	2	9	3														14	..	14	..	
Haddock ..	2	7															9	..	9	..	
Whiting ..	12	37															49	..	49	..	
Grey Gurnard ..	13	11	1														25	..	25	..	
Greater Weever ..		12	4														16	..	16	..	
Conger ..																1	..	1	..	1	..
Thornback ..									1				1	..	1	..	1	..			
LVIII 12 B 333	North part of Brown Ridges. 52° 46½' N., 3° 24½' E.	16 f.g.s. 15 18 20 f.g.s. & sh.	June 21st 6.45 a.m. 4½ hrs.	Plaice ..	10	92	26									128	..	128	..		
				Dab ..	1	238	6										245	..	245	..	
				Sole ..		1											1	..	1	..	
				Turbot ..			1										1	..	1	..	
				Cod ..		4											4	..	4	..	
				Haddock ..	3	6											9	..	9	..	
				Whiting ..	3	6	1										10	..	10	..	
				Grey Gurnard ..	23	13											36	..	36	..	
				John Dory ..	1												1	..	1	..	
				Red Gurnard ..		1											1	..	1	..	
Greater Weever ..																12	..				
Thornback ..	7		1										8	..	8	..					
LVIII 14 B 334	Brown Ridges 52° 39½' N., 3° 22½' E.	20 f.g.s. & sh. 17 18 f.g.s. & sh.	June 21st 11.50 a.m. 4½ hrs.	Plaice ..	3	75	26	1								105	..	105	..		
				Dab ..		49	7										56	..	56	..	
				Sole ..		2											2	..	2	..	
				Turbot ..			1	1									2	..	2	..	
				Brill ..		1	2	1									4	..	4	..	
				Haddock ..	1	12											13	..	13	..	
				Whiting ..		8											8	..	8	..	
				Grey Gurnard ..	3	10	1										14	..	14	..	
				Red Gurnard ..		1											1	..	1	..	
				Horse Mackerel ..			1										1	..	1	..	
Spur Dog ..			1	24	24	1							51	..	790	..					

TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.			
					Cm. ..	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
LVIII 18 B 335	Brown Ridge .. 52° 36' N., 3° 29' E.	18	f.g.s. & sh.	June 21st	Plaice ..	..	3	89	15	1	..	..	..	..	..	108	..	108	..		
		15		5.10 p.m.	Dab ..	..	..	144	19	1	..	..	..	..	..	..	164	..	164	..	
		14½		5½ hrs.	Sole ..	..	..	..	1	4	..	..	..	..	..	..	5	..	5	..	
		16	f.g.s.		Turbot ..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Whiting ..	..	..	..	5	..	..	..	..	..	..	..	..	5	..	5	..
					Grey Gurnard ..	..	19	12	2	..	..	..	..	..	..	..	..	33	..	33	..
					Horse Mackerel ..	..	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
					Greater Weever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	29	..
					Thornback ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Spur Dog ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	21	..
LVIII 18 B 336	North part of Brown Ridges. 52° 44½' N., 3° 30½' E.	16	f.g.s.	June 21st	Plaice ..	..	3	214	41	1	..	..	..	..	..	259	..	259	..		
		15		10.50 p.m. (21st.)	Dab ..	..	..	390	64	..	..	..	..	..	..	..	454	..	454	..	
		17		5½ hrs.	Sole ..	..	..	..	..	4	..	..	..	..	..	..	..	4	..	4	..
		16	f.g.s.		Turbot ..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Brill ..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Cod ..	..	..	1	1	..	..	..	..	..	..	..	..	2	..	2	..
					Haddock ..	..	..	2	1	..	..	..	..	..	..	..	..	3	..	3	..
					Whiting ..	..	..	14	13	..	..	..	..	..	..	..	..	27	..	27	..
					Grey Gurnard ..	..	39	18	..	..	..	..	..	..	..	..	..	57	..	57	..
					Latchet ..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Greater Weever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18	..
					Horse Mackerel ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Thornback ..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Spur Dog ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	98	..
LVIII 20 B 337	North part of Brown Ridges. 52° 46½' N., 3° 33½' E.	16	f.g.s.	June 22nd	Plaice ..	..	10	91	20	..	..	..	..	..	..	121	..	121	..		
		15		4.50 a.m.	Dab ..	..	..	236	22	..	..	..	..	..	..	..	258	..	258	..	
		14½		5½ hrs.	Sole ..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
		18½	f.g.s.		Turbot ..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Brill ..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Cod ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Haddock ..	..	..	8	5	..	..	..	..	..	..	..	..	13	..	13	..
					Whiting ..	..	..	2	8	..	..	..	..	..	..	..	..	10	..	10	..
					Grey Gurnard ..	..	44	9	..	..	..	..	..	..	..	..	..	53	..	53	..
					Latchet ..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
			Greater Weever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	37	..		
			Spur Dog ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..		
LVIII 22 B 338	Eastern Edge of Brown Ridges. 52° 45½' N., 3° 36½' E.	18½	f.g.s.	June 22nd	Plaice ..	..	4	89	20	..	..	..	..	..	..	113	..	113	..		
		17		10.30 a.m.	Dab ..	..	..	175	18	..	..	..	..	..	..	..	193	..	193	..	
		16	f.g.s.	5 hrs.	Turbot ..	..	..	..	1	2	1	..	..	..	..	..	4	..	4	..	
					Brill ..	..	..	..	..	..	1	1	..	..	..	..	..	2	..	2	..
					Cod ..	..	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
					Grey Gurnard ..	..	25	12	..	..	..	..	..	..	..	..	..	37	..	37	..
					Greater Weever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	27	..
LVIII 24 B 339	North of Brown Ridges. 52° 49½' N. 3° 26½' E.	16	f.g.s.	June 22nd	Plaice ..	..	3	74	21	..	..	..	..	..	..	98	..	98	..		
		15		4 p.m.	Dab ..	..	..	151	10	..	..	..	..	..	..	..	161	..	161	..	
		17		hrs.	Sole ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
		17	f.g.s.		Turbot ..	..	..	..	..	..	1	2	..	..	..	..	..	3	..	3	..
					Cod ..	..	..	3	2	..	..	..	..	..	..	..	..	5	..	5	..
					Haddock ..	..	..	6	7	..	..	..	..	..	..	..	..	13	..	13	..
					Whiting ..	..	..	19	15	..	..	..	..	..	..	..	..	34	..	34	..
					Grey Gurnard ..	..	16	14	..	..	..	..	..	..	..	..	..	30	..	30	..
					John Dory ..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
					Red Gurnard ..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
					Greater Weever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17	..
					Horse Mackerel ..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Angler ..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..
			Thornback ..	..	..	..	..	2	..	..	..	..	..	..	..	2	..	2	..		
			Spur Dog ..	..	..	..	..	..	..	..	..	1	..	1	..	2	..	2	..		
			Tope ..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..		

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins.	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.					
					Cm.	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.				
LVIII 26 B 340	Winterton Twenties 52° 49' N., 3° 7' E.	7	f.g.s.	June 22nd & 23rd. 9.30 p.m. (22nd.) 5 hrs.	Plaice	..	5	100	40	..	..	..	..	..	..	..	145	..	145	..			
		19½	f.g.s.		Dab..	..	426	60	1	..	..	..	..	..	..	..	..	..	487	..	487	..	
					Sole ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
		20	f.g.s.		Brill ..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	3	..	3	..
					Cod ..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..
					Haddock ..	..	..	5	..	..	..	..	..	..	..	..	..	..	..	5	..	5	..
					Whiting ..	..	21	82	3	..	..	..	..	..	..	..	..	..	..	106	..	106	..
					Grey Gurnard ..	..	15	21	1	..	..	..	..	..	..	..	..	..	..	37	..	37	..
					Latchet ..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Greater Weever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..
					John Dory ..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Thornback ..	..	1	2	..	..	1	..	..	..	..	..	..	..	..	4	..	4	..
					Spur Dog ..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	2	..
LVIII 28 B 341	Winterton Twenties 52° 51½' N., 2° 44' E.	20	f.g.s.	June 23rd 3 a.m. 6 hrs.	Plaice	..	2	32	29	1	..	..	..	..	..	..	64	..	64	..			
		19	f.g.s.		Dab..	..	2	128	12	..	..	..	..	..	..	..	..	..	142	..	142	..	
					Flounder ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
		22	f.g.s.		Sole ..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	3	..	3	..
					Brill ..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	2	..	2	..
					Cod ..	..	2	28	2	..	..	..	..	1	..	..	..	..	..	33	..	33	..
					Haddock ..	..	28	75	..	..	..	..	..	..	..	..	..	..	..	103	..	103	..
					Whiting ..	..	41	140	18	..	..	..	..	..	..	..	..	..	..	199	..	199	..
					Grey Gurnard ..	..	8	33	2	..	..	..	..	..	..	..	..	..	..	43	..	43	..
					Latchet ..	..	..	1	1	..	1	..	..	..	..	..	..	..	..	3	..	3	..
					John Dory ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Red Gurnard ..	..	..	7	..	..	..	..	..	..	..	..	..	..	..	7	..	7	..
					Greater Weever.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
					Thornback ..	1	1	4	6	2	1	..	..	..	..	..	..	..	..	15	..	15	..
Spur Dog ..	..			..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..			
LVIII 30 B 342	Between Winterton Twenties & Knoll Deep. 52° 47¼' N., 2° 27' E.	20½	f.g.s.	June 23rd 9.30 p.m. 5 hrs.	Plaice	..	1	7	1	..	..	..	..	..	..	..	9	..	9	..			
		27	c.s. & ross		Dab ..	..	60	5	1	..	..	..	..	..	..	..	..	..	66	..	66	..	
					Cod ..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	4	..	4	..
		27	c.s. & ross		Haddock ..	..	4	15	..	..	..	..	..	..	..	..	..	..	..	19	..	19	..
					Whiting ..	..	29	81	12	1	..	..	..	..	..	..	..	..	..	123	..	123	..
					Poor Cod ..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
					Grey Gurnard ..	..	..	23	2	..	..	..	..	..	..	..	..	..	..	30	..	30	..
					Red Gurnard ..	..	..	9	..	..	..	..	..	..	..	..	..	..	..	9	..	9	..
					John Dory ..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					Greater Weever.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
					Thornback ..	..	3	1	..	..	..	..	..	..	..	..	..	..	..	4	..	4	..
					Black Skate ..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Spur Dog ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
LVIII 32 B 343	Between Winterton Twenties & Knoll Deep. 52° 39¼' N., 2° 32½' E.			27	c.s. & ross	June 23rd 3 p.m. 5 hrs.	Plaice	..	7	23	2	..	..	..	..	..	..	..	32	..	32	..	
		25	c.s. & ross	Dab ..	..		37	3	3	..	..	..	..	..	..	..	..	..	43	..	43	..	
				Lemon Dab ..	..		..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
		25	c.s. & ross	Sole ..	..		..	1	1	..	..	..	..	..	..	..	..	..	..	2	..	2	..
				Brill ..	..		..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Cod ..	..		..	..	1	..	..	4	..	1	1	1	..	..	..	8	..	8	..
				Haddock ..	..		7	27	..	..	..	..	..	..	..	..	..	..	..	34	..	34	..
				Whiting ..	..		1	20	10	..	..	..	..	..	..	..	..	..	..	31	..	31	..
				Pout ..	..		..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard ..	..		..	18	3	..	..	..	..	..	..	..	..	..	..	21	..	21	..
				Red Gurnard ..	..		..	34	16	..	..	..	..	..	..	..	..	..	..	50	..	50	..
				Ling ..	..		..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Greater Weever.	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
				Thornback ..	..		9	7	5	1	..	..	..	..	..	..	..	..	..	22	..	22	..
Black Skate ..	..			..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..			
Spur Dog ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	..					
Spotted Dog ..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..					

TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.				
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
LIX 1 O 318	Dogger Bank, North of S.W. Patch. 54° 38½' N., 2° 18' E.	9	.g.br.s.	June 27th	Plaice ..	..	..	1	1	3	..	..	..	..	..	5	..	5	..			
		11		8.15 a.m.	Dab ..	..	165	116	28	..	..	..	..	..	..	..	309	39	[784]	99		
		15		5 hrs.	Lemon Dab ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..		
		12	f.s. & sh.		Cod ..	..	..	93	50	2	1	..	..	..	..	..	..	146	..	146	..	
					Haddock ..	..	29	229	13	7	..	..	..	..	..	..	..	..	278	42	[410]	67
					Whiting ..	..	..	8	25	2	..	..	..	..	..	..	..	..	35	[64]	1017	[1974]
					Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	166	20
					Thornback ..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
LIX 4 O 319	Dogger Bank, North of S.W. Patch. 54° 49½' N., 2° 24½' E.	12	f.s. & sh.	June 27th	Plaice ..	..	..	2	18	5	1	..	..	..	..	26	19	26	19			
		12½		3.25 p.m.	Dab ..	..	257	111	6	..	..	..	..	..	..	..	374	32	[3833]	328		
		13	f.s. & sh.	5 hrs.	Turbot ..	..	..	..	..	..	2	..	..	..	..	..	..	2	..	2	..	
					Cod ..	..	..	2	..	..	1	..	..	..	..	..	..	..	3	..	3	..
					Haddock ..	..	26	62	3	9	1	..	..	..	..	..	..	..	101	..	[380]	..
					Whiting ..	..	..	48	8	..	..	..	..	..	..	..	..	..	56	10	[280]	50
					Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	62	..
					Horse Mackerel. Thornback	1
LIX 6 O 320	Dogger Bank, Middle 54° 49½' N., 2° 24½' E.	12	f.s. & sh.	June 27th & 28th	Plaice ..	..	..	22	10	8	3	..	..	..	..	43	50	43	50			
		12½		9.30 p.m.	Dab ..	..	18	54	9	1	..	..	..	..	..	..	82	15	[568]	104		
		13	f.s. & sh.	5½ hrs.	Lemon Dab...	..	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..	
					Turbot ..	..	..	..	..	2	1	..	..	..	..	..	..	..	3	..	3	..
					Cod ..	..	..	66	16	11	8	2	8	7	7	5	..	..	130	..	130	..
					Haddock ..	..	..	..	..	..	..	..	..	..	..	..	..	..	82*	..	831	244½
					Whiting ..	..	..	24	10	..	..	..	..	..	..	..	..	..	34	9	[170]	45
					Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	291	..
					Ling ..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Thornback ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(large)
Spur Dog ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..				
LIX 8 O 321	Dogger Bank, Middle 55° 10½' N., 2° 30½' E.	16½	f.s. & sh.	June 28th	Plaice ..	..	..	1	6	9	5	..	..	..	..	21	24	21	24			
		17		3.50 a.m.	Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	25		
		17½	f.g.s.	5 hrs.	Lemon Dab...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	
					Turbot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
					Cod ..	..	..	..	..	1	4	1	..	..	..	..	..	..	6	..	6+†	34 Kgs.†
					Haddock ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	91
					Whiting ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11
					Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	100	..
Ling ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..					
Starry Ray ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..				
LIX 10 O 322	Dogger Bank, Middle 55° 4½' N., 2° 33' E.	17½	f.g.s.	June 28th & 29th.	Plaice ..	..	..	..	..	..	..	..	..	..	..	..	..	32	..			
		15		8.15 p.m. (28th)	Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	..	2½	Baskets		
		15	f.g.s. & sh.	6½ hrs.	Lemon Dab...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	
					Turbot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(large)
					Cod ..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	25	..
					Haddock ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7½	Baskets
					Whiting ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	Baskets
Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	50	..				
Mackerel ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..				
LIX 11 O 323	Dogger Bank, Middle 55° 4½' N., 2° 34' E.	15	f.g.s. & sh.	June 29th	Plaice ..	..	..	4	1	..	..	..	..	..	..	5	5	5	5			
		15	f.g.s. & sh.	3 a.m. 2 hrs.	Dab ..	..	1	247	64	14	..	..	..	..	..	..	326	25	326	25		
					Cod ..	..	..	1	17	3	..	..	..	..	..	..	..	21	..	21	..	
					Haddock ..	..	31	100	15	20	..	..	..	..	..	..	..	175	[44]	175	[44]	
					Whiting ..	..	..	89	29	..	..	..	..	..	..	..	..	118	23	118	23	
Grey Gurnard ..	..	17	40	3	..	..	..	..	..	..	..	..	..	59	..	59	..					

* Sizes selected.

† Catch consisted of 6 fish measured and 34 kilograms unmeasured.

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15½+	18½+	23½+	27½+	31½+	35½+	39½+	Measured.		Total Catch.		
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.
LIX 12 #00b F B (c.) 344	Dogger Bank, Middle 55° 4' N., 2° 35' E. Covered net experi- ment, No. 15.	15	f.g.s. & sh.	June 29th	Plaice ..	..	..	..	1	..	..	..	..	..	..	1	..	1	..	
		14	f.g.s. & sh.	5.45 a.m.	Dab ..	8	97	9	6	..	..	..	..	..	..	..	120	..	120	..
				1 hr.	Cod ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Haddock ..	..	..	1	..	1	..	..	..	..	..	..	2	..	2	..
					Whiting ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Grey Gurnard ..	4	2	..	..	..	..	..	..	..	..	..	6	..	6	..
LIX 14 O 324	Dogger Bank, N.W. Slope. 55° 16½' N., 2° 30½' E.	19½	f.g.s. & sh.	June 29th	Plaice ..	..	..	1	1	1	1	..	..	..	..	4	6	4	6	
		20	f.g.s. & sh.	12.10 p.m.	Dab ..	2	23	1	..	..	..	..	..	..	..	..	26	..	26	..
				2 hrs.	Cod ..	..	..	2	..	1	..	..	..	..	..	..	3	..	3	..
					Haddock ..	..	15	43	11	3	..	..	..	..	..	..	72	17	72	17
					Grey Gurnard ..	8	12	1	..	..	..	..	..	..	..	..	21	..	21	..
					Angler ..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..
					Starry Ray ..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
LIX 17 O 325	North of the Dogger Bank. 55° 53' N., 2° 47½' E.	44	s. & m.	June 30th	Plaice ..	..	..	2	2	3	1	..	..	..	..	8	13	8	13	
		44	s. & m.	2.30 a.m.	Dab ..	..	233	24	..	..	..	..	..	..	..	..	257	..	257	..
				2 hrs.	Long Rough Dab.	..	121	51	..	..	..	..	..	..	..	..	172	..	172	..
					Cod ..	..	..	14	3	6	2	2	..	1	..	..	28	..	28	..
					Haddock ..	99	314	152	1	..	..	..	..	..	..	..	566	108	566	108
					Whiting ..	1	45	15	1	..	..	..	..	..	..	..	62	9	62	9
					Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	..
					Whitch ..	..	..	..	2	14	2	..	..	..	..	..	18	15	18	45
					Starry Ray ..	2	3	26	2	..	..	..	..	..	..	..	33	16	33	16
					Black Skate ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
LIX 21 O 326	North of the Dogger Bank. 56° 23½' N., 3° 12½' E.	40	f.s. & m.	June 30th	Plaice ..	..	..	4	3	5	1	..	..	..	..	13	21	13	21	
		38½	f.s. & m.	2.30 p.m.	Dab ..	..	138	5	..	..	..	..	..	..	..	..	143	..	143	..
				2 hrs.	Long Rough Dab.	..	50	26	..	..	..	..	..	..	..	..	76	..	76	..
					Cod ..	..	..	3	1	..	..	..	..	..	..	..	4	..	4	..
					Haddock ..	40	101	71	4	..	..	..	..	..	..	..	216	51	216	51
					Whiting ..	1	6	2	..	..	..	..	..	..	..	..	9	..	9	..
					Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	..
					Whitch ..	..	..	..	1	2	..	..	..	..	..	..	3	..	3	..
					Cat fish ..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..
					Starry Ray ..	4	20	3	..	..	..	..	..	..	..	..	27	..	27	..
LIX 24 O 327	N.W. of Dogger Bank 56° 10' N. 1° 36½' E.	53	f.s. & m.	July 1st	Plaice ..	..	..	..	11	4	..	..	..	..	..	15	19	15	19	
		48	f.s. & m.	3.30 a.m.	Dab ..	..	63	2	..	..	..	..	..	..	..	..	65	..	65	..
				2 hrs.	Lemon Dab ..	1	1	5	1	..	..	..	..	..	..	..	8	..	8	..
					Long Rough Dab.	48	20	..	..	..	..	..	..	..	..	..	68	..	68	..
					Turbot ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Cod ..	..	..	10	10	3	1	..	..	..	..	..	24	..	24	..
					Haddock ..	7	120	91	5	..	..	..	..	..	..	..	223	69	523	148
					Whiting ..	..	..	22	4	..	..	..	..	..	..	..	26	..	26	..
					Coal fish ..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	..	11	..
					Ling ..	..	..	..	..	..	..	1	..	..	..	..	1	..	1	..
			Starry Ray ..	1	11	..	..	..	..	..	..	..	..	..	12	..	12	..		
LIX 28 O 328	N.W. of Brucey's Garden. 55° 7' N., 0° 41' E.	39	f.g.s. & sh.	July 1st	Plaice ..	..	..	..	3	..	..	..	..	..	..	3	..	3	..	
		44	f.s. & m.	2.30 p.m.	Dab ..	..	163	10	..	..	..	..	..	..	..	..	173	..	173	..
				2 hrs.	Lemon Dab ..	..	..	1	3	..	..	..	..	..	..	..	4	..	4	..
					Long Rough Dab.	61	31	..	..	..	..	..	..	..	..	..	92	..	92	..
					Halibut ..	..	..	..	..	..	..	..	..	2	..	..	2	16	2	16
					Whitch ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Cod ..	..	..	30	30	4	6	2	2	..	..	..	74	46	74	46
					Haddock ..	39	135	94	3	..	..	..	..	..	..	..	271	66	[402]	98
					Whiting ..	..	..	14	3	1	..	..	..	..	..	..	18	..	18	..
					Coal fish ..	..	..	..	..	..	..	1	1	..	..	..	2	..	2	..
			Pout ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..		

TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{3}{8}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.			
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.	
LIX 28 O 328	N.W. of Brucey's Garden— <i>cont.</i> 55° 7' N., 0° 41' E.	39 f.g.s. & sh. 44 f.s. & m.	July 1st 2.30 p.m. 2 hrs.	Grey Gurnard .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	6	..		
				Ling .. .. .	..	..	..	..	..	..	..	..	1	1	1	3	..	3	..		
				Angler .. .. .	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..		
				Cat fish .. .. .	..	..	..	..	..	..	1	..	..	..	..	1	..	1	..		
				Starry Ray.. .. .	..	10	10	..	..	..	..	..	..	..	..	..	20	7	20	7	
LIX 29 B 345	Bridlington Bay .. 54° 08' N., 0° 93' W.	4 $\frac{1}{2}$ f.d.s. 3 $\frac{1}{2}$ 5 f.d.s.	July 7th 1 p.m. 2 hrs.	Plaice .. .. .	..	145	35	..	..	..	..	..	..	..	..	..	180	..	180	..	
				Dab	1	186	75	..	..	..	..	..	..	..	..	..	..	262	20	262	20
				Sole .. .. .	..	..	7	6	..	..	..	..	..	..	..	..	..	13	..	13	..
				Turbot .. .. .	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Brill .. .. .	..	..	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
				Grey Gurnard	1	38	3	2	..	..	..	..	..	..	..	..	..	44	..	44	..
				Latchet .. .. .	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Angler .. .. .	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Thornback .. .. .	..	..	..	1	1	..	..	..	..	..	..	..	..	2	..	2	..
				LIX 30 O 329	Flamborough Head Ground. 54° 17 $\frac{1}{2}$ ' N., 0° 32 $\frac{1}{2}$ ' E.	29 $\frac{1}{2}$ f.s. 36 f.d.s.	July 7th 3.45 a.m. 5 hrs.	Plaice	1	19	15	3	38	..	38	..
Dab .. .. .	..	105	3					..	..	..	..	..	..	..	..	..	..	108	..	108	..
Lemon Dab...	..	..	7					1	..	..	..	..	..	..	..	..	..	8	..	8	..
Long Rough Dab	..	3	5					..	..	..	..	..	..	..	..	..	..	8	..	8	..
Cod .. .. .	..	2	21					15	12	3	..	..	..	..	..	..	..	53	..	53	..
Haddock .. .. .	..	47	257					44	1	1	..	..	..	..	..	..	..	350	58	350	58
Whiting .. .. .	..	1	76					13	..	..	..	..	..	..	..	..	..	90	14	90	14
Grey Gurnard	..	..	..					..	..	..	..	..	..	..	..	..	..	..	..	77	..
Red Gurnard	..	..	1					..	..	..	..	..	..	..	..	..	..	1	..	1	..
Angler .. .. .	..	..	..					..	..	1	..	..	..	..	..	..	..	1	..	1	..
Ling .. .. .	..	..	..					..	..	..	1	..	..	..	..	..	..	1	..	1	..
Starry Ray.. .. .	..	..	4					..	..	..	..	..	..	..	..	..	..	4	..	4	..
Spur Dog .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..			
LIX 32 O 330	The Hills 54° 20 $\frac{1}{2}$ ' N., 0° 47 $\frac{3}{8}$ ' E. Belly badly torn.	31 $\frac{1}{2}$ f.d.s. 27 22 f.g.s.	July 8th 11.30 a.m. 5 hrs.	Plaice .. .. .	..	..	..	2	2	..	..	..	..	..	..	..	4	..	4	..	
				Dab .. .. .	..	80	1	..	..	..	..	..	..	..	..	..	..	81	..	81	..
				Lemon Dab...	..	..	3	..	..	..	..	..	..	..	..	..	..	3	..	3	..
				Cod .. .. .	..	3	21	6	10	3	1	..	..	..	..	..	..	45	..	45	..
				Haddock .. .. .	..	173	279	18	..	..	..	..	..	..	..	..	..	470	54	470	54
				Whiting .. .. .	..	3	41	2	1	..	..	..	..	..	..	..	..	47	..	47	..
				Poor Cod .. .. .	..	6	5	..	..	..	..	..	..	..	..	..	..	11	..	11	..
				Grey Gurnard	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	117	..
Ling .. .. .	..	..	..	..	..	2	..	..	..	..	..	..	..	2	..	2	..				
LIX 35 O 331	Dogger North Ground. 55° 33 $\frac{1}{2}$ ' N., 1° 11 $\frac{3}{8}$ ' E.	27 f.d.g.s. 16 21 27 f.d.g.s.	July 9th. 2.45 a.m. 5 hrs.	Plaice .. .. .	..	..	1	9	6	2	1	..	..	..	..	..	19	18	19	18	
				Dab	2	333	33	1	..	..	..	..	..	..	..	..	..	369	17	1436	69
				Lemon Dab...	..	..	2	6	..	..	..	..	..	..	..	..	..	8	5	8	5
				Long Rough Dab.	..	2	5	..	..	..	..	..	..	..	..	..	..	7	..	7	..
				Turbot .. .. .	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Cod .. .. .	..	..	102	29	7	1	..	..	..	..	..	..	..	139	..	139	..
				Haddock .. .. .	..	29	221	8	..	..	..	..	..	..	..	..	..	258	33	1736	213
				Whiting .. .. .	..	..	127	28	..	..	..	..	..	..	..	..	..	155	29	348	66
				Grey Gurnard	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	510	41
Starry Ray.. .. .	..	3	8	..	..	..	..	..	..	..	..	..	..	11	..	11	..				
LIX 38 O 332	North part of Dogger North Ground. 54° 47 $\frac{3}{8}$ ' N., 1° 8 $\frac{1}{8}$ ' E.	27 f.d.g.s. 25 $\frac{1}{2}$ f.d.g.s.	July 9th 11.30 a.m. 2 hrs.	Plaice .. .. .	..	..	..	5	3	1	..	..	..	..	..	..	9	7	9	7	
				Dab	2	416	13	1	..	..	..	..	..	..	..	..	..	432	20	432	20
				Long Rough Dab.	..	28	11	..	..	..	..	..	..	..	..	..	..	39	..	39	..
				Turbot .. .. .	..	..	..	..	1	..	..	..	..	..	..	..	..	1	4 $\frac{1}{2}$	1	4 $\frac{1}{2}$
				Cod .. .. .	..	..	4	1	2	1	..	..	..	..	..	..	..	8	..	8	..
				Haddock .. .. .	..	62	80	5	1	1	..	..	..	..	..	..	..	149	19	149	19
				Whiting .. .. .	..	..	4	3	..	..	..	..	..	..	..	..	..	7	..	7	..
Grey Gurnard	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	180	..				

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins.													Measured.		Total Catch.	
				0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	No.	Kg.	No.	Kg.		
LIX 40 O 334	East of Brucey's Garden. 55° 04' N., 1° 43' E.	32 | f.s.m. 32 | f.s.m.	July 10th 1 p.m. 2 hrs.	Plaice	2	6	..	..	..	..	..	..	..	..	..	8	9	8	9
				Dab	1	519	27	2	1	..	..	..	..	..	..	550	24	550	24
				Lemon Dab..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Long Rough Dab.	..	55	12	..	..	..	..	..	..	..	..	67	..	67	..
				Turbot .. .. .	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..
				Cod .. .. .	..	2	14	6	3	..	..	..	..	1	..	26	..	26	..
				Haddock .. ..	..	152	97	30	4	..	..	..	..	..	..	283	..	283	..
				Whiting .. ..	..	1	33	1	..	..	..	..	..	..	..	35	5 $\frac{1}{2}$	35	5 $\frac{1}{2}$
				Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	..	78	..
				Cat Fish .. ..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..
				Starry Ray..	..	8	20	..	..	..	..	..	..	..	..	28	..	28	..
LIX 43 O 335	N.E. of Brucey's Garden. 55° 23' N., 1° 51' E.	32 | f.s.m. 32 | f.s.m.	July 10th 6.15 p.m. 4 $\frac{1}{2}$ hrs.	Plaice .. .. .	..	..	..	2	11	..	..	..	..	..	..	13	13	13	23
				Dab .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	2 Baskets	..
				Lemon Dab ..	..	..	1	6	3	..	..	..	..	..	..	10	9	10	9
				Long Rough Dab.	..	..	..	..	..	..	..	..	..	..	..	..	..	?	..
				Cod .. .. .	..	..	7	9	11	6	1	..	..	1	..	35	..	35	..
				Haddock .. ..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
				Whiting .. ..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..
				Angler .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	Few	..
				Starry Ray..	..	..	25	2	..	..	..	..	..	..	..	27	..	27	..
LIX 44 O 336	Dogger Bank, North of West part. 55° 27 $\frac{1}{2}$ ' N., 1° 51' E.	43 | f.s.m. 36 | f.s.m.	July 11th 7.45 a.m. 2 hrs.	Plaice .. .. .	..	..	..	1	4	..	..	..	..	..	..	5	6	5	6
				Dab .. .. .	..	..	209	..	..	..	..	..	..	..	..	209	..	209	..
				Lemon Dab ..	..	..	..	9	1	..	..	..	..	..	..	10	8	10	8
				Long Rough Dab.	..	60	23	..	..	..	..	..	..	..	..	83	..	83	..
				Cod .. .. .	..	..	..	1	3	3	1	..	..	..	..	8	..	8	..
				Haddock .. ..	..	67	95	26	1	..	..	..	..	..	..	189	30	189	30
				Whiting .. ..	..	3	21	1	..	..	..	..	..	..	..	25	..	25	..
				Angler .. .. .	..	..	..	..	..	1	..	1	..	..	..	2	..	2	..
				Starry Ray..	..	5	8	13	6	..	..	..	..	..	..	32	..	32	..
LIX 46 O 337	Dogger Bank, N.W. of West part. 55° 13 $\frac{1}{2}$ ' N., 0° 26' E.	43 | f.s.m. 40 | f.s.m.	July 11th 3.30 p.m. 2 hrs.	Plaice .. .. .	..	..	..	..	2	..	..	..	..	..	..	2	..	2	..
				Dab .. .. .	..	..	20	..	..	..	..	..	..	..	..	20	..	20	..
				Long Rough Dab.	..	5	..	..	..	..	..	..	..	..	..	5	..	5	..
				Cod .. .. .	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
				Haddock .. ..	..	11	2	3	..	..	..	..	..	..	..	16	..	16	..
				Whiting .. ..	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
				Coal fish .. ..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..
				Grey Gurnard ..	..	2	3	..	..	..	..	..	..	..	..	5	..	5	..
				Cat fish .. ..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..
				Ling .. .. .	..	..	..	..	..	..	1	..	..	..	..	1	..	1	..
				Starry Ray..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
LIX 50 B (c) 346	N.E. of Brucey's Garden. 55° 13 $\frac{1}{2}$ ' N., 1° 0' E.	31 | f.s.m. 33 | f.s.m.	July 12th 5.45 a.m. 1 hr.	Plaice .. .. .	..	..	..	1	1	..	..	..	..	..	..	2	..	2	..
				Dab .. .. .	..	..	142	4	..	..	..	..	..	..	..	146	..	146	..
				Long Rough Dab.	..	25	7	..	..	..	..	..	..	..	..	32	..	32	..
				Cod .. .. .	..	..	..	1	2	..	..	..	..	..	..	3	..	3	..
				Haddock .. ..	..	16	27	9	..	..	..	..	..	..	..	52	10	52	10
				Whiting .. ..	..	3	6	1	..	..	..	..	..	..	..	10	..	10	..
				Norway Pout ..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard ..	..	2	11	1	..	..	..	..	..	..	..	14	..	14	..
				Starry Ray..	..	6	10	..	..	..	..	..	..	..	..	16	..	16	..
LIX 51 O 338	West of Brucey's Garden. 54° 57 $\frac{1}{2}$ ' N., 0° 20 $\frac{3}{4}$ ' E.	41 | f.s.m. 46 | f.s.m.	July 12th 11.15 a.m. 2 hrs.	Plaice .. .. .	..	..	..	..	1	2	..	..	..	..	..	3	9 $\frac{1}{2}$	3	9 $\frac{1}{2}$
				Dab .. .. .	..	..	27	3	1	..	..	..	..	..	..	31	..	31	..
				Lemon Dab..	..	..	..	11	4	..	..	..	..	..	..	15	12	15	12
				Long Rough Dab.	..	36	19	..	..	..	..	..	..	..	..	55	..	55	..
				Cod .. .. .	..	3	25	21	6	6	3	..	..	..	..	64	33	64	33
				Haddock .. ..	..	87	182	43	6	..	..	..	..	..	..	318	57	318	57
				Whiting .. ..	..	3	8	2	..	..	..	..	..	..	..	13	..	13	..

(780 large fish
12 Baskets
small.
1 Basket

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.				
					Cm ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
LIX 51 O 338	West of Brucey's Garden—cont. 54° 57½' N., 0° 20¼' E.	41 f.s.m. 46 f.s.m.	July 12th 11.15 a.m. 2 hrs.	Grey Gurnard	..	..	5	..	..	..	..	..	..	..	..	..	5	..	5	..	
				Cat Fish	..	..	..	..	..	..	1	..	3	1	..	..	..	5	33	5	33
				Angler	..	..	..	..	..	..	2	1	..	..	1	..	..	4	..	4	..
				Ling	..	..	..	..	..	..	..	..	3	..	..	2	..	5	21	5	21
				Starry Ray	1	16	17	..	17	..
LIX 56 O 339	Hartlepool Ground... 51° 40½' N., 0° 55' W. Ground rope parted, net very badly torn; large stone in trawl.	24½ c.s. 23 s.m.	July 13th 4.30 a.m. 2 hrs.	Lemon Dab..	..	3	7	4	..	..	..	..	..	..	..	..	14	..	14	..	
				Long Rough Dab.	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Cod ..	..	5	7	6	2	..	..	..	..	..	..	..	..	20	..	20	..
				Haddock ..	..	73	38	2	..	1	..	..	..	..	..	..	..	114	12	114	12
				Whiting ..	..	4	37	6	..	..	..	..	..	..	..	..	..	47	8	47	8
				Poor Cod ..	..	2	6	..	..	..	..	..	..	..	..	..	..	8	..	8	..
				Grey Gurnard	..	..	3	..	..	..	..	..	..	..	..	..	..	3	..	3	..
				Ling ..	..	..	..	..	..	..	..	1	..	1	..	..	..	2	..	2	..
				Cat Fish ..	..	1	..	..	..	..	2	..	..	..	..	..	..	3	..	3	..
				Angler ..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
Herring ..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..				
LX 1 O 340	South of Horn Reef 55° 22¼' N., 7° 57½' E.	9 f.d.s. & sh. 10 f.d.s.	July 23rd 8.40 p.m. 1 hr.	Plaice ..	..	278	91	..	..	..	..	..	..	..	..	..	369*	..	[1184]*	..	
				Dab ..	..	8	70	9	..	..	..	..	..	..	..	..	..	87	..	87	..
				Cod ..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Grey Gurnard	..	29	9	..	..	..	..	..	..	..	..	..	..	38	..	38	..
				Latchet ..	..	..	2	1	1	..	..	..	..	..	..	..	..	4	..	4	..
				Horse Mackerel.	..	..	2	..	..	..	..	..	..	..	..	..	..	2	..	2	..
				Thornback!	..	..	1	..	3	1	..	..	..	..	..	..	..	5	..	5	..
				Spur Dog	5	..
				Tope	2	..
				LX 2 O 341	Horn Reef Outer .. 55° 40½' N., 6° 39½' E.	20½ f.d.s. & sh. 20½ f.d.s.	July 21th 8 a.m. 1 hr.	Plaice	2	2	..	2	..
Dab ..	..	11	2					..	..	..	..	..	..	..	..	..	..	13	..	13	..
Turbot ..	..	..	..					1	..	..	..	..	..	..	..	..	..	1	..	1	..
Cod ..	..	..	1					..	..	..	..	..	..	..	..	..	..	1	..	1	..
Haddock ..	..	7	66					2	..	..	..	..	..	..	..	..	..	75	..	75	..
Whiting ..	..	..	55					12	..	..	..	..	..	..	..	..	..	67	..	67	..
Grey Gurnard	..	4	7					..	..	..	..	..	..	..	..	..	..	11	..	11	..
Latchet ..	..	1	..					1	..	..	..	..	..	..	..	..	..	2	..	2	..
Thornback ..	..	..	..					1	1	..	..	..	..	..	..	..	..	2	..	2	..
LX 3 O 342	South of Horn Reef 55° 23' N., 7° 55' E.	10½ f.d.s. & sh. 9 f.d.s. & sh.	July 24th 4.30 p.m. ½ hr.					Plaice	361	38	399	..	399	..
				Dab ..	..	14	7	..	..	..	..	..	..	..	..	..	..	21	..	21	..
				Grey Gurnard	..	15	8	..	..	..	..	..	..	..	..	..	..	23	..	23	..
				Latchet ..	..	..	1	1	1	1	..	..	..	..	..	..	..	4	..	4	..
				Thornback ..	..	..	3	1	1	..	..	..	..	..	..	..	..	5	..	5	..
				Spur Dog ..	..	..	..	..	..	..	..	..	..	..	2	..	..	2	..	2	..
Tope ..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..				
LXI 36 B 347	Leman Ground .. 53° 18½' N., 2° 25¼' E. Towing 48 revolutions	17 f.d.s. 13 f.s.	Aug. 3rd 10 p.m. hrs.	Plaice ..	..	2	27	21	..	..	..	..	..	..	..	..	50	14	50	14	
				Dab ..	..	174	28	..	..	..	..	..	..	..	..	..	..	202	..	202	..
				Sole ..	..	..	2	5	1	..	..	..	..	..	..	..	..	8	..	8	..
				Cod ..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Whiting ..	..	4	17	..	..	..	..	..	..	..	..	..	..	21	..	21	..
				Grey Gurnard	..	36	12	..	..	..	..	..	..	..	..	..	..	48	..	48	..
				Latchet ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Trout..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
Greater Weever.	..	..	4	..	..	..	..	..	..	..	..	..	..	4	..	4	..				
Thornback ..	..	..	4	1	..	..	1	..	..	..	..	..	..	6	..	6	..				
LXI 37 B 348	Leman Ground .. 53° 18' N., 2° 25¼' E. Towing 52 revolutions	13 f.s. 17 f.d.s.	Aug. 9th 12.30 a.m. 2 hrs.	Plaice ..	..	5	24	13	..	..	..	..	..	..	..	..	42	10	42	10	
				Dab ..	..	368	18	..	..	..	..	..	..	..	..	..	..	386	16	386	16
				Sole ..	..	..	..	4	..	..	..	..	..	..	..	..	..	4	..	4	..
				Whiting ..	..	2	13	..	..	..	..	..	..	..	..	..	..	15	..	15	..
				Grey Gurnard	..	19	17	..	..	..	..	..	..	..	..	..	..	36	..	36	..
				Latchet ..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
Greater Weever.	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..				

* Large Plaice marked, and sample of remainder measured.

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration	Ins. ..	0+	4+	8+	12+	15½+	19½+	23½+	27½+	31½+	35½+	39½+	Measured.		Total Catch.	
					Cm ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.
LXI 38	Leman Ground ..	16	f.g.s.	Aug. 9th	Plaice ..	16	27	12	3	..	..	..	..	..	..	58	14	58	14
B 349	53° 20½' N., 2° 25½' E.	17	f.g.s.	5 a.m.	Dab ..	1	356	13	..	..	..	..	..	..	..	370	15	370	15
	Towing 58 revolutions.			2 hrs.	Haddock ..	..	..	2	..	..	..	..	..	..	..	2	..	2	..
					Grey Gurnard ..	32	11	..	..	..	..	..	..	..	..	43	..	43	..
					Greater Weever. Thornback ..	..	..	3	1	..	..	..	..	..	..	4	..	4	..
						..	..	..	1	..	..	..	..	..	..	1	..	1	..
LXI 39	Leman Ground ..	17	f.g.s.	Aug. 9th	Plaice ..	16	35	11	..	..	..	..	..	..	..	62	11½	62	11½
B 350	53° 20' N., 2° 25½' E.	13	f.g.s.	7.20 a.m.	Dab ..	4	424	22	..	..	..	..	..	..	..	450	18½	450	18½
	Towing 42 revolutions.			2 hrs.	Grey Gurnard ..	31	12	..	..	..	..	..	..	..	..	43	..	43	..
					Latchet ..	..	1	1	..	..	..	..	..	..	..	2	..	2	..
					Greater Weever. Thornback ..	..	..	5	1	..	..	..	..	..	..	6	..	6	..
						..	..	..	1	..	..	..	..	..	..	1	..	1	..
LXI 40	Leman Ground ..	12	f.g.s.	Aug. 9th	Plaice ..	8	24	18	..	1	..	..	..	..	..	51	14½	51	14½
B 351	53° 20' N., 2° 24½' E.	10	f.g.s.	10 a.m.	Dab ..	1	282	27	..	..	..	..	..	..	..	310	16	310	16
	Towing 54 revolutions.			2 hrs.	Whiting ..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Grey Gurnard ..	26	3	..	..	..	..	..	..	..	..	29	..	29	..
					Greater Weever. Thornback ..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
						..	..	1	..	..	..	..	..	..	..	1	..	1	..
LXI 41	Leman Ground ..	10	f.g.s.	Aug. 9th	Plaice ..	6	17	2	..	..	..	..	..	..	..	25	5½	25	5½
B 352	53° 19½' N., 2° 24½' E.	17	f.g.s.	12.20 p.m.	Dab ..	..	285	15	..	..	..	..	..	..	..	300	15	300	15
	Towing 46 revolutions.			2 hrs.	Grey Gurnard ..	32	6	..	..	..	..	..	..	..	..	38	..	38	..
					Greater Weever.	..	..	1	1	..	..	..	..	..	..	2	..	2	..
LXI 42	Leman Ground ..	17½	f.g.s.	Aug. 9th	Plaice ..	7	21	19	..	..	..	..	..	..	..	47	13	47	13
B 353	53° 20' N., 2° 24½' E.	14½	f.g.s.	3.15 p.m.	Dab ..	..	342	14	..	..	..	..	..	..	..	356	..	356	..
	Towing 54 revolutions.			2 hrs.	Whiting ..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
					Grey Gurnard ..	58	4	..	..	..	..	..	..	..	..	62	..	62	..
					Greater Weever.	..	..	3	1	..	..	..	..	..	..	4	..	4	..
LXI 44	Leman Ground ..	15	f.g.s.	Aug. 9th	Plaice ..	6	23	11	1	..	..	..	..	..	..	41	11	41	11
B 354	53° 18½' N., 2° 25½' E.	13	f.g.s.	6.10 p.m.	Dab ..	..	272	16	..	..	..	..	..	..	..	288	14½	288	14½
	Towing 58 revolutions.			2 hrs.	Sole ..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Whiting ..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
					Grey Gurnard ..	40	10	..	..	..	..	..	..	..	..	50	..	50	..
					Greater Weever. Thornback ..	..	..	5	2	..	..	..	..	..	..	7	..	7	..
						..	1	1	..	..	..	..	..	..	..	2	..	2	..
LXI 45	Brown Bank ..	15½	f.g.s.	Aug. 10th	Plaice ..	1	51	18	1	..	..	..	..	..	..	71	17½	71	17½
B 355	53° 9½' N., 3° 44½' E.	13½	f.g.s.	7.50 a.m.	Dab ..	..	72	13	..	..	..	..	..	..	..	85	6½	85	6½
	Towing 52 revolutions			2 hrs.	Sole ..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Turbot ..	..	..	..	2	..	..	..	..	..	..	2	..	2	..
					Grey Gurnard ..	91	4	..	..	..	..	..	..	..	..	95	..	95	..
					Greater Weever.	..	..	6	..	..	..	..	..	..	..	6	..	6	..
LXI 46	Brown Bank ..	13½	f.g.s.	Aug. 10th	Plaice ..	5	32	7	..	..	..	..	..	..	..	44	9	44	9
B 356	53° 10½' N., 3° 44½' E.	15½	f.g.s.	10.15 a.m.	Dab ..	..	50	1	..	..	..	..	..	..	..	51	..	51	..
	Towing 62-64 revolutions. Cod end insecurely fastened, some fish escaped.			2 hrs.	Sole ..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Turbot ..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Grey Gurnard ..	25	1	..	..	..	..	..	..	..	..	26	..	26	..
					Latchet ..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Greater Weever. Black Skate ..	..	..	3	..	..	..	..	..	..	..	3	..	3	..
						..	..	1	..	..	..	..	..	..	..	1	..	1	..
LXI 47	Brown Bank ..	15½	f.g.s.	Aug. 10th	Plaice ..	..	17	4	..	..	..	..	..	..	..	21	6	21	6
B 357	53° 9½' N., 3° 46½' E.	15	f.g.s.	1.30 p.m.	Dab ..	..	16	4	..	..	..	..	..	..	..	20	..	20	..
	Towing 58 revolutions			2 hrs.	Turbot ..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Grey Gurnard ..	17	6	..	..	..	..	..	..	..	..	23	..	23	..
					Greater Weever.	..	..	2	1	..	..	..	..	..	..	3	..	3	..

TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.	
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.
LXI 48	Brown Bank..	15	f.g.s.	Aug. 10th	Plaice ..	..	..	10	5	1	..	..	..	..	..	16	5 $\frac{1}{2}$	16	5 $\frac{1}{2}$
B 358	53° 10 $\frac{1}{2}$ ' N., 3° 44 $\frac{3}{4}$ ' E.	15	f.g.s.	4.15 p.m.	Dab ..	..	..	26	..	..	..	..	..	..	..	26	..	26	..
	Towing 54 revolutions			2 hrs.	Grey Gurnard ..	..	36	3	..	..	..	..	..	..	..	39	..	39	..
					Greater Weever.	..	..	3	..	..	..	..	..	..	..	3	..	3	..
LXI 49	Off Southwold ..	13	c.s.	Aug. 12th	Plaice ..	..	2	1	..	..	..	..	..	..	..	3	..	3	..
B 359	52° 18 $\frac{3}{4}$ ' N., 1° 48' E.	15	c.s.	9.15 a.m.	Dab ..	..	5	..	..	..	..	..	..	..	..	5	..	5	..
	Towing 48 revolutions			2 hrs.	Sole ..	..	..	2	..	..	..	..	..	..	..	2	..	2	..
					Thornback..	..	2	1	2	3	..	..	..	..	..	8	7 $\frac{1}{2}$	8	7 $\frac{1}{2}$
					Homelyn ..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
					Spur Dog ..	..	..	5	2	..	..	..	..	..	..	7	..	8	..
LXI 50	Off Southwold ..	12	c.s.	Aug. 12th	Sole ..	..	..	2	..	..	..	..	..	..	..	2	..	2	..
B 360	52° 20 $\frac{1}{4}$ ' N. 1° 49' E.	12	c.s. gvl.	11.45 a.m.	Whiting ..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
	Towing 60-68 revolutions.			2 hrs.	Horse Mackerel.	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Thornback..	..	1	..	1	1	..	..	..	..	..	3	..	3	..
					Black Skate ..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
LXI 51	Off Southwold ..	11	f.s.	Aug. 12th	Plaice ..	..	3	1	..	..	..	..	..	..	..	4	..	4	..
B 361	52° 19 $\frac{3}{4}$ ' N., 1° 47 $\frac{3}{4}$ ' E.	12	c.s. & sh.	3.25 p.m.	Dab ..	..	3	..	..	..	..	..	..	..	..	3	..	3	..
	Towing 38 revolutions.			2 hrs.	Lemon Dab..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Sole ..	..	4	1	..	..	..	..	..	..	..	5	..	5	..
					Cod ..	..	1	2	..	1	1	..	..	..	..	5	..	5	..
					Whiting ..	..	6	1	..	..	..	..	..	..	..	7	..	7	..
					Pout ..	..	1	2	1	..	..	..	..	..	..	4	..	4	..
					Thornback..	..	5	7	6	3	..	..	..	..	..	21	13	21	13
					Homelyn ..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Tope ..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
LXI 52	Off Southwold ..	12	c.s. & st.	Aug. 12th	Dab ..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
B 362	52° 17 $\frac{1}{2}$ ' N., 1° 46 $\frac{3}{4}$ ' E.	12	c.s. & st.	5.45 p.m.	Sole ..	..	1	2	1	..	..	..	..	..	..	4	..	4	..
	Towing 54 revolutions.			2 hrs.	Whiting ..	..	3	1	..	..	..	..	..	..	..	4	..	4	..
					Pout ..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Thornback ..	..	2	5	2	1	..	..	..	..	..	10	8	10	8
					Homelyn ..	..	..	..	..	1	..	..	..	..	..	1	..	1	..
LXI 54	North part of Winterton Shoal.	17	f.s.	Aug. 13th	Plaice ..	..	4	33	1	..	..	..	..	..	..	38	6 $\frac{1}{2}$	38	6 $\frac{1}{2}$
B 363	52° 50 $\frac{3}{4}$ ' N., 2° 56 $\frac{3}{4}$ ' E.	22	f.s.	10.45 a.m.	Dab ..	..	73	2	..	..	..	..	..	..	..	75	4	75	4
	Towing 44 revolutions.			2 hrs.	Grey Gurnard ..	..	21	11	..	..	..	..	..	..	..	32	..	32	..
					Greater Weever.	..	..	3	..	..	..	..	..	..	..	3	..	3	..
					Thornback..	..	..	1	2	..	..	..	..	..	..	3	..	3	..
LXI 55	North part of Winterton Shoal.	22	f.s.	Aug. 13th	Plaice ..	..	..	15	3	..	..	..	..	..	..	18	4	18	4
B 364	52° 51 $\frac{1}{4}$ ' N., 2° 57 $\frac{3}{4}$ ' E.	22	f.s.	1.15 p.m.	Dab ..	..	40	7	..	..	..	..	..	..	..	47	3	47	3
	Towing 54 revolutions.			2 hrs.	Turbot ..	..	..	..	..	..	..	1	..	..	..	1	10	1	10
					Whiting ..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Grey Gurnard ..	..	4	2	..	..	..	..	..	..	..	6	..	6	..
					Greater Weever.	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Thornback..	..	3	5	1	1	..	..	..	..	..	10	7	10	7
LXI 56	North part of Winterton Shoal.	22	f.s.	Aug. 13th	Plaice ..	..	..	32	8	..	..	..	..	..	..	40	9	40	9
B 365	52° 40 $\frac{1}{2}$ ' N., 2° 57 $\frac{3}{4}$ ' E.	22	f.s.	4.30 p.m.	Dab ..	..	138	15	..	..	..	..	..	..	..	153	..	153	..
	Towing 34 revolutions.			2 hrs.	Sole ..	..	..	3	..	..	..	..	..	..	..	3	..	3	..
					Brill ..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Cod ..	..	..	2	..	..	..	..	..	..	..	2	..	2	..
					Whiting ..	..	2	3	..	..	..	..	..	..	..	5	..	5	..
					Grey Gurnard ..	..	6	2	..	..	..	..	..	..	..	8	..	8	..
					Latchet ..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Thornback..	..	1	5	4	1	..	..	..	..	..	11	7	11	7

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..												Measured.		Total Catch.		
				0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	No.	Kg.	No.	Kg.		
LXI 57 B 366	North part of Winterton Shoal. 52° 49½' N., 2° 56½' E.	22 f.s. 17 f.s.	Aug. 13th 6.50 p.m. 2 hrs.	Plaice	9											9		9		
				Dab	30												30		30	
				Sole			1										1		1	
				Grey Gurnard ..	3												3		3	
				Thornback ..	1	1								2		2				
LXI 59 B 367	Off Smith's Knoll Light-vessel. 52° 50½' N., 2° 17½' E.	23 f.d.s. 26 s. blk. m.	Aug. 14th 5.15 a.m. 2 hrs.	Plaice	1	17	25	2	1						46	20	46	20		
				Dab	22	4										26		26		
				Sole		1	3									4		4		
				Cod	1	8	3		2	1						15		15		
				Whiting	10	50	9									69	11	69	11	
				Poor Cod	8	5										13		13		
				Thornback ..	1		1									2		2		
				Black Skate..			2									2		2		
LXI 60 B 368	Off Smith's Knoll Light-vessel. 52° 49½' N., 2° 16½' E.	26 f.s.m. 26 blk. spk. s.	Aug. 14th 7.45 a.m. 2 hrs.	Plaice	9	5								14		14				
				Dab	17	1									18		18			
				Sole		2	2								4		4			
				Turbot					1						1	5	1	5		
				Cod		1	1			1					3		3			
				Whiting	29	271	18								318	42	318	42		
				Pout		1									1		1			
				Poor Cod	3										3		3			
				Spur Dog				1	1						2		2			
								Plaice	1								1		1	
LXI 61 B 369	Off Smith's Knoll Light-vessel. 52° 49½' N., 2° 15½' E.	26 s.m. 21 f.s.	Aug. 14th 11.35 a.m. 1½ hrs.	Dab	4	3								7		7				
				Sole		2								2		2				
				Whiting		2								2		2				
				Grey Gurnard ..		1								1		1				
				Spur Dog				4						4		4				
								Plaice	2								2		2	
LXI 62 B 370	Off Smith's Knoll Light-vessel. 52° 51½' N., 2° 16½' E.	25 f.s. 23 c.s.	Aug. 14th 1.30 p.m. 1½ hrs.	Dab	2	1								3		3				
				Lemon Dab..		1								1		1				
				Sole		5	4							9		9				
				Cod			1		2	1	1			5	13	5	13			
				Whiting	9	78	6							93	14	93	14			
				Pout		1								1		1				
				Poor Cod		1								1		1				
				Grey Gurnard ..		1								1		1				
				Thornback ..	1									1		1				
				Spur Dog				2						2		2				
LXII 19 B 371	Off Sutton 53° 19½' N., 0° 19' E.	6 f.d.s. 6½ f.d.s. 7 gvl.	Aug. 24th 9.30 a.m. 1 hr.	Plaice	14	7								21		21				
				Dab	1	2								3		3				
				Sole		1	23	4						28		28				
				Whiting	1	3								4		4				
				Latchet			2	1						3		3				
				Thornback ..	10	8	5	1						24		24				
				Black Skate..			5							5		5				
				Spur Dog												4				
LXII 20 B 372	Off Mablethorpe .. 53° 20½' N., 0° 22' E.	8½ gvl. 9 s. 7 7 s. gvl.	Aug. 24th 12.15 p.m. 2½ hrs.	Plaice	18	3								21		21				
				Dab	17	1								18		18				
				Sole	3	21								24		24				
				Brill			4	3						7		7				
				Cod	1									1		1				
				Whiting	7	8								15		15				
				Grey Gurnard	1	1	10	1						13		13				
				Latchet			3							3		3				
				Thornback ..			3							3		3				
				Homelyn			4	2						6		6				

TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15½+	19½+	23½+	27½+	31½+	35½+	39+	Measured.		Total Catch.				
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
LXII 33 B 373	Off Horn Reef Light-vessel. 55° 31' N., 7° 19½' E.	17 f.g.s. & sh.	Aug. 29th	Plaice	228	345	..	..	..	..	..	..	..	..	..	..	573	..	573	..	
				2 hrs. Dab	1	449	47	497	..	497	..
				Cod	1	1	2	..	2	..
				Haddock	2	2	..	2	..
				Whiting	1	1	..	1	..
				Grey Gurnard	13	11	24	..	24	..
				Thornback	4	8	1	13	..	13	..
				Tope	2	..
LXIII 1 O 343	Leman Ground .. 53° 19½' N., 2° 32½' E.	17 f.g.s.	Sept. 5th	Plaice	4	41	25	2	..	..	..	..	..	..	..	..	72	..	72	..	
				3 a.m. Dab	365	19	..	..	..	..	..	..	..	..	..	..	..	384	..	384	..
				4 hrs. Lemon Dab..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Sole .. ..	..	..	3	..	..	..	..	..	..	..	..	..	..	3	..	3	..
				Cod .. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Whiting	12	215	5	..	..	..	..	..	..	..	..	..	..	232	..	232	..
				Grey Gurnard	42	..
				Greater Weever. Spur Dog	11	(small)
LXIII 3 O 344	Leman Ground .. 53° 19½' N., 2° 31½' E.	15½ f.g.s.	Sept. 5th	Plaice	8	35	23	2	..	..	..	..	..	..	..	..	68	..	68	..	
				7.30 a.m. Dab	1	408	14	1	..	..	..	..	..	..	..	..	..	424	..	424	..
				4 hrs. Sole .. ..	..	..	1	1	..	..	..	..	..	..	..	..	..	2	..	2	..
				Brill .. ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Cod .. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Whiting	3	150	10	..	..	..	..	..	..	..	..	..	..	163	..	163	..
				Grey Gurnard	40	..
				Latchet .. ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Horse Mackerel. Greater Weever. Mackerel	22	..
				Red Mullet..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
LXIII 4 O 345	Leman Ground .. 53° 16' N., 2° 47½' E.	17 f.d.g.s.	Sept. 5th	Plaice	6	28	17	3	1	..	..	..	..	..	..	..	55	..	55	..	
				1.30 p.m. Dab	221	21	1	..	..	..	..	..	..	..	..	..	..	243	..	243	..
				4 hrs. Lemon Dab..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Sole .. ..	..	2	3	..	..	..	..	..	..	..	..	..	..	5	..	5	..
				Brill .. ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Whiting	4	97	7	..	..	..	..	..	..	..	..	..	..	108	..	108	..
				Grey Gurnard	2	..
				Latchet .. ..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Horse Mackerel. Greater Weever. Thornback..	18	..
				Spur Dog	9	1	1	..	1	..	..	..	..	..	..	..	..	12	..	12	..
Tope .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	15	(small)			
LXIII 5 O 346	Eastern edge of Leman Ground. 53° 12' N., 3° 14' E.	16 f.d.g.s.	Sept. 6th	Plaice	9	39	17	2	..	..	..	..	..	..	..	..	67	..	67	..	
				15½ f.d.g.s. 4.30 a.m. Dab	2	472	11	..	..	..	..	..	..	..	..	..	..	485	20	485	20
				4 hrs. Sole .. ..	..	..	1	4	..	..	..	..	..	..	..	..	..	5	..	5	..
				Turbot .. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Whiting	22	52	1	..	..	..	..	..	..	..	..	..	..	75	7½	75	7½
				Grey Gurnard	6	3	..	..	..	..	..	..	..	..	..	..	..	9	..	9	..
				Latchet .. ..	..	..	..	1	2	..	..	..	..	..	..	..	..	3	..	3	..
				Greater Weever. Horse Mackerel. Thornback..	12	..
				Spur Dog .. ..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
				Tope	1	2	1	..	..	..	..	..	..	..	..	..	..	4	..	4	..
				Spur Dog .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24	(small)	
				Tope .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(small)

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins...	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.				
					Cm...	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
LXIII 9 O 347	North part of Brown Bank. 53° 8½' N., 3° 16½' E.	16½	f.d.g.s.	Sept. 8th	Plaice	..	4	127	26	2	..	..	..	..	..	..	159	..	159	..	
		15½	f.s.	3.50 p.m.	Dab	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1½	Basket
				4 hrs.	Sole	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
					Brill	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
LXIII 11 O 348	Texel Ground .. 52° 50½' N., 4° 32¾' E.	8	f.g.s.	Sept. 13th	Plaice	..	149	42	2	..	..	..	..	..	..	..	193	16	193	16	
		12	f.g.s.	5.15 a.m.	Dab	..	..	..	..	..	..	..	..	..	..	..	..	..	180	13½	
				2 hrs.	Flounder	..	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..
					Cod	..	1	2	..	..	..	..	..	..	..	..	..	3	..	3	..
					Whiting	..	1	10	1	..	..	..	..	..	..	..	..	12	..	12	..
					Grey Gurnard	..	17	5	..	..	..	..	..	..	..	..	..	22	..	22	..
					Latchet	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
					Greater Weever. John Dory	..	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
			Mackerel	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..		
LXIII 16 O 349	Texel Ground .. 52° 52½' N., 4° 24½' E.	12	f.g.s.	Sept. 13th	Plaice	..	126	119	2	..	..	..	..	..	..	..	247	22	247	22	
		13	f.g.s.	3.55 p.m.	(No other fish recorded.)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
LXIII 18 O 350	Texel Ground .. 52° 55½' N., 4° 10½' E.	14	f.g.s.	Sept. 14th	Plaice	..	62	295	20	..	..	..	..	..	..	..	377	53	377	53	
		14	f.g.s.	6.15 a.m.	Dab	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1½	Baskets.
				4 hrs.	Turbot	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Whiting	10
					Latchet	..	..	2	5	7	1	..	..	..	..	..	..	15	12	15	12
					John Dory	..	..	2	..	..	..	..	..	..	..	..	..	2	..	2	..
					Red Mullet (striped.) Greater Weever. Tope	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
LXIII 20 O 351	East part of Brown Bank. 52° 59½' N., 3° 52½' E.	14	f.g.s.	Sept. 14th	Plaice	..	29	188	33	1	..	..	..	..	..	..	251	43	251	43	
		14½	f.g.s.	10.50 a.m.	Dab	..	..	..	..	..	..	..	..	..	..	..	..	..	..	¾	Basket.
				5 hrs.	Latchet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19	..
					Greater Weever. Thornback Tope	1	Basket.
LXIII 22 O 352	Brown Bank .. 53° 4½' N., 3° 32¾' E.	14½	f.g.s.	Sept. 14th	Plaice	..	4	135	18	..	..	..	..	..	..	..	157	28	157	28	
		16	f.g.s.	4.20 p.m.	(No other fish recorded.)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
LXIV 1 B 37b	South part of Lowestoft Flats. 52° 21½' N., 2° 0½' E. Belly torn.	14½	c.s.	Sept. 19th	Plaice	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	
		18		12.45 p.m.	Dab	..	1	..	..	..	..	..	..	..	..	..	..	1	..	1	..
		20	c.br.s.	2 hrs.	Sole	..	..	5	2	..	..	..	..	..	..	..	..	7	..	7	..
					Cod	..	..	1	..	1	..	..	..	..	..	..	..	2	..	2	..
					Whiting	..	22	27	2	..	..	..	..	..	..	..	..	51	..	51	..
					Pout..	..	2	1	..	..	..	..	..	..	..	..	..	3	..	3	..
					Conger	..	..	..	..	..	..	..	1	..	..	..	..	1	..	1	..
					Thornback.. Homelyn	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
LXIV 3 B 379	South part of Lowestoft Flats. 52° 20½' N., 1° 58½' E.	19	c.br.s.	Sept. 19th	Sole	..	6	..	..	..	..	..	..	..	..	..	6	..	6	..	
		16½	c.s. & sh.	3.45 p.m.	Cod	..	..	..	..	..	2	..	..	..	..	..	..	2	..	2	..
				2 hrs.	Whiting	..	11	12	1	..	..	..	..	..	..	..	..	24	..	24	..
					Pout	..	2	..	..	..	..	..	..	..	..	..	..	2	..	2	..
					Conger	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..
					Thornback.. Homelyn	..	2	1	..	..	1	..	..	..	..	..	..	4	..	4	..
					Tope	..	3	..	..	..	..	..	..	..	..	..	..	3	..	3	..
			Tope	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..		

TRAWLING INVESTIGATIONS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.	
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.
LXIV 22	Leman Ground ..	17 | f.g.s.	Sept. 27th	Plaice ..	..	2	4	2	..	..	..	..	..	..	..	8	..	8	..
B 389	53° 16 $\frac{1}{2}$ ' N., 2° 30 $\frac{1}{2}$ ' E.	17 | f.g.s.	4 p.m.	Dab ..	..	55	..	..	..	..	..	..	..	..	..	55	..	55	..
			2 hrs.	Cod ..	..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
				Whiting ..	..	226	125	7	..	..	..	..	..	..	..	358	..	358	..
				Grey Gurnard ..	..	6	2	..	..	..	..	..	..	..	..	8	..	8	..
				Allis Shad ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Mackerel ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Horse Mackerel ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Greater Weever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	..
				Spur Dog ..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..
				Tope ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
LXIV 23	Leman Ground ..	17 | f.g.s.	Sept. 27th	Plaice ..	1	5	23	46	3	1	..	..	..	..	..	79	27	79	27
B 390	53° 14 $\frac{1}{2}$ ' N., 2° 53' E.	15 | f.g.s.	6.30 p.m.	Dab ..	2	345	2	..	..	..	..	..	..	..	..	349	7	[1346]	27
			5 $\frac{1}{2}$ hrs.	Sole ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Cod ..	..	..	4	..	..	..	..	..	..	..	..	4	..	4	..
				Whiting ..	..	269	141	4	..	..	..	..	..	..	..	414	25	[513]	31
				Grey Gurnard ..	..	25	3	..	..	..	..	..	..	..	..	28	..	28	..
				Latchet ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Greater Weever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	24	..
				Spur Dog ..	..	..	..	..	..	..	..	..	..	..	..	..	..	28	..
				Tope ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
LXIV 24	Eastern Edge of Leman Ground.	15 | f.g.s.	Sept. 28th	Plaice ..	..	2	53	35	4	..	..	..	..	..	..	94	..	94	..
B 391	53° 19 $\frac{1}{2}$ ' N., 3° 1 $\frac{1}{2}$ ' E.	17 | f.g.s.	Midnight	Dab ..	13	220	3	..	..	..	..	..	..	..	..	236	4	[2537]	43
			5 hrs.	Sole ..	..	..	6	10	..	..	..	..	..	..	..	16	..	16	..
				Turbot ..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
				Cod ..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
				Whiting ..	..	122	94	4	..	..	..	..	..	..	..	220	15	[765]	46
				Grey Gurnard ..	2	23	3	..	..	..	..	..	..	..	..	23	..	23	..
				Greater Weever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..
				Thornback ..	..	3	2	1	..	..	..	..	..	..	..	6	..	6	..
				Black Skate ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Spur Dog ..	..	..	..	..	..	..	..	..	..	..	..	..	..	69	..
LXIV 26	Between Leman and Ower Banks.	18 | s. ross.	Sept. 28th	Plaice ..	..	..	36	46	8	..	..	..	..	..	..	90	..	90	..
B 392	53° 11 $\frac{1}{2}$ ' N., 1° 52 $\frac{1}{2}$ ' E.	15 $\frac{1}{2}$ | s. ross.	12.10 p.m.	Dab ..	1	42	14	2	..	..	..	..	..	..	..	59	2	59	2
			2 hrs.	Leman Dab ..	..	..	..	5	..	..	..	..	..	..	..	5	..	5	..
				Sole ..	..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
				Turbot ..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
				Brill ..	..	..	..	..	1	1	..	..	..	..	..	2	..	2	..
				Cod ..	..	..	7	17	4	3	3	..	..	..	..	34	..	34	..
				Haddock ..	..	..	4	..	..	..	..	..	..	..	..	4	..	4	..
				Whiting ..	..	..	7	3	..	..	..	..	..	..	..	10	..	10	..
				Pout ..	..	..	22	5	..	..	..	..	..	..	..	27	9	27	9
				Grey Gurnard ..	..	32	53	1	..	..	..	..	..	..	..	86	8	86	8
				Ling ..	..	..	..	..	..	..	..	..	2	..	..	2	..	2	..
				Greater Weever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..
				Thornback ..	..	..	1	1	..	..	..	..	..	..	..	2	..	2	..
				Homelyn ..	..	..	..	2	..	..	..	..	..	..	..	2	..	2	..
LXIV 29	Off Smith's Knoll Light-vessel.	23 | c.s.	Sept. 29th	Plaice ..	..	..	3	9	7	2	..	..	..	..	..	21	13	21	13
B 394	52° 49 $\frac{1}{2}$ ' N., 2° 19 $\frac{1}{2}$ ' E.	25 $\frac{1}{2}$ | s. & ross	8 a.m.	Dab ..	..	19	2	..	..	..	..	..	..	..	..	21	..	21	..
			5 hrs.	Sole ..	..	1	2	12	..	..	..	..	..	..	..	15	..	15	..
				Turbot ..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
				Cod ..	..	1	6	4	1	2	1	..	..	..	..	15	..	15	..
				Whiting ..	..	147	265	12	..	..	..	..	..	..	..	424	36	[695]	59
				Poor Cod ..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
				Pout ..	..	10	..	..	..	..	..	..	..	..	..	10	..	10	..
				Grey Gurnard ..	..	1	1	..	..	..	..	..	..	..	..	2	..	2	..
				Conger ..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	Measured.		Total Catch.				
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.		
LXIV 29 B 394	Off Smith's Knoll Light-vessel—cont. 52° 49½' N., 2° 19¼' E.	23 c.s.	Sept. 29th	Ling												1	1	1	..			
			8 a.m.	Thornback ..		20	9	2	3	5	1							40	34	40	34	
		5 hrs.	Black Skate..		1	1												2	..	2	..	
			Spur Dog	29	..
LXIV 30 B 395	Off Smith's Knoll Light-vessel. 52° 50¼' N., 2° 19¾' E.	25½ s. & ross	Sept. 29th	Plaice				5	6								11	5	11	5		
			1.30 p.m.	Dab		16	8	1										25	..	25	..	
		5 hrs.	Sole		2	4	14											20	..	20	..	
			Cod			9	18	5	5	3	2	1						43	41	43	41	
			Whiting ..		94	162	13											289	21	[359]	28	
			Pout		3	3												6	..	6	..	
			Poor Cod ..		49	13												62	..	62	..	
			Thornback..		13	3	2	1										19	..	19	..	
			Black Skate..		2	2	1											5	..	5	..	
			Spur Dog	12	..
			Tope	1	..
LXIV 31 B 396	Off Smith's Knoll Light-vessel. 52° 50' N., 2° 21¾' E.	22 s. & ross	Sept. 29th	Plaice			3	14	3								20	8	20	8		
			7 p.m.	Dab		9	2											11	..	11	..	
		4½ hrs.	Sole		1	7	2											10	..	10	..	
			Turbot ..					1	1									2	..	2	..	
			Cod			22	21	2	2									49	25	49	25	
			Whiting ..		68	144	6											218	24	218	24	
			Pout		17	3												20	..	20	..	
			Poor Cod ..		91	16												107	..	107	..	
			Greater Weever.																1	..
			Horse Mackerel.																1	..
			Thornback..		10	8	3		1									22	..	22	..	
			Black Skate..			1												1	..	1	..	
			Spur Dog	18	..
Tope .. ..																..	..	1	..		
LXV 1 O 353	East of Farn Island.. 55° 37½' N., 1° 10¼' W. Ground rope parted, belly torn.	41 m.	Oct. 9th	Dab		6											6	..	6	..		
			3 a.m.	Lemon Dab..		1	3											4	..	4	..	
		4 hrs.	Long Rough Dab.		45	13												58	..	58	..	
			Norway Pout		2													2	..	2	..	
			Cod		2	8	3		1		4	1						19	25	19	25	
			Haddock ..		15	169	14	2										200	33	645	94½	
			Whiting ..		1	88	24											113	21	113	21	
			Pout			1												1	..	1	..	
			Poor Cod ..		1	2												3	..	3	..	
			Coal Fish ..													1		1	9½	1	9½	
			Grey Gurnard		1													1	..	1	..	
			Cat Fish ..				1	2	1	2	3							9	23	9	23	
			Angler			2			2	1	3							8	30	8	30	
			Lamprey ..			1												1	..	1	..	
Starry Ray..		1	11	35	3										50	24	50	24				
LXV 3 O 354	East of Farn Island 55° 31¾' N., 0° 43' W.	50 m.	Oct. 9th	Plaice				1	1		1						3	..	3	..		
			10 a.m.	Dab		35												35	..	35	..	
		4 hrs.	Lemon Dab..			4	10	4										18	12	18	12	
			Long Rough Dab.		64	6												70	15	320	..	
			Whitch ..			9	7	3										19	7	19	7	
			Cod			28	17	3	7	2	1							58	..	58	..	
			Haddock ..		5	182	14											201	31	[1563]	241	
			Whiting ..			61	35	1										97	19	97	19	
			Pout			1												1	..	1	..	
			Grey Gurnard		9	12	1											22	..	210	23	
			Angler	6	..
			Mackerel	2	..
			Fuller's Ray							1								1	..	1	..	
Starry Ray..		1	21	30	3										55	22	55	22				
Spur Dog ..																..	..	2	..		

TRAWLING INVESTIGATIONS.

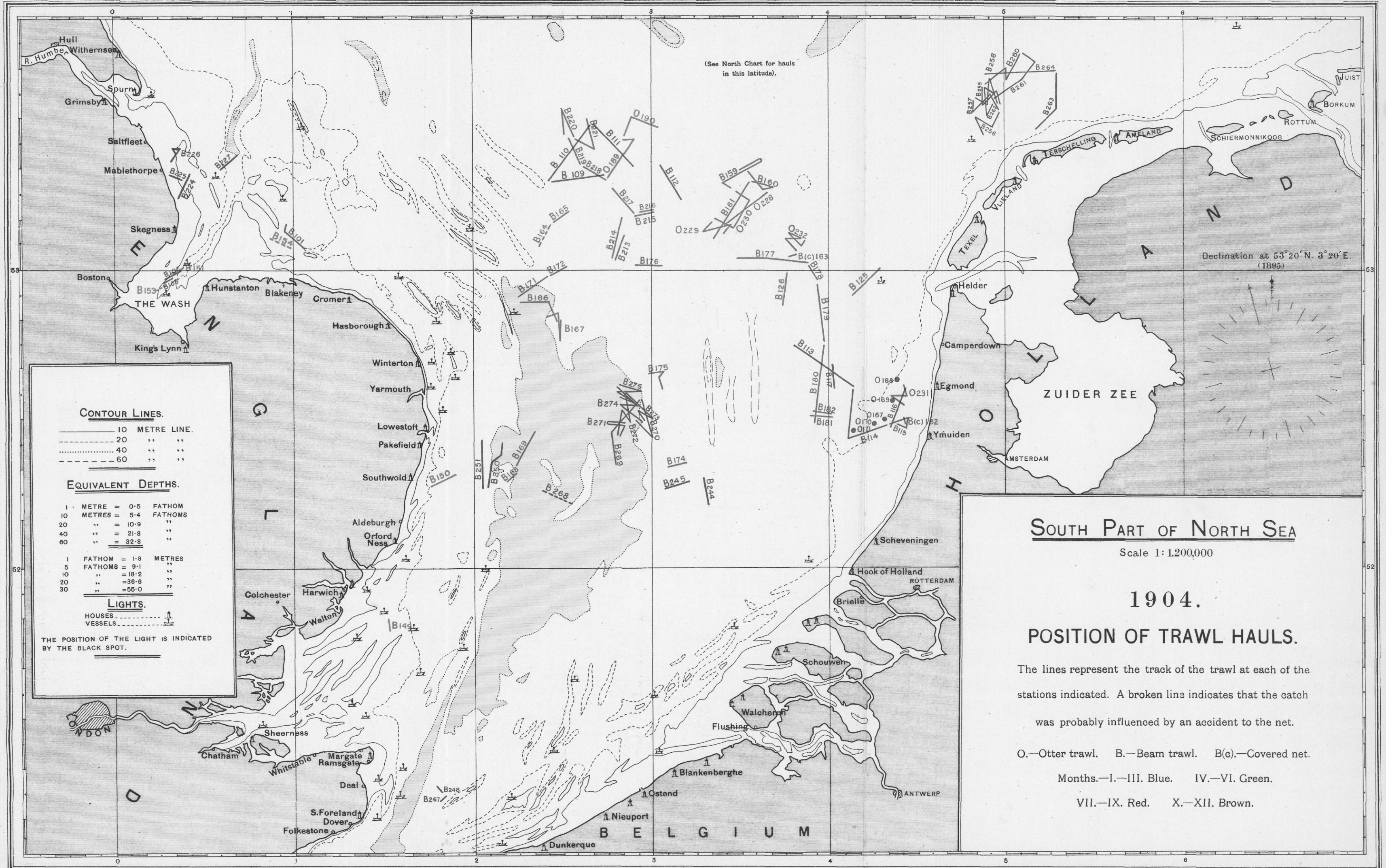
Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+ 4+ 8+ 12+ 15+ 19+ 23+ 27+ 31+ 35+ 39+												Measured.		Total Catch.		
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.	
LXV 4 O 355	Brucey's Garden .. 54° 57½' N., 0° 58½' E.	34 | s.m. 29 | s.m.	Oct. 10th 2 a.m.	Haddock Whiting Poor Cod	23	112	2	..	..	..	..	..	..	..	..	..	137	16	137	16
	Belly very badly torn.		5 hrs.		8	15	..	..	..	..	..	..	..	..	..	..	23	..	23	..
					2	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
LXV 5 O 356	Dogger Bank, East of N.W. Rough. 54° 56' N., 1° 43½' E.	13 | f.g.s. 17½ | gvl.	Oct. 10th 10.45 a.m.	Plaice Dab Lemon Dab.. .. Cod Haddock Whiting Coal Fish Grey Gurnard Ling	1	2	3	..	..	..	..	..	..	..	..	..	6	6	6	6
			5 hrs.		204	46	..	..	..	..	..	..	..	..	..	..	250	17½	[1857]	130
					2	1	..	..	..	..	..	..	..	..	..	..	3	..	3	..
					49	204	29	3	1	1	..	..	..	..	..	..	287	..	287	..
					184	13	9	6	..	..	..	..	..	..	..	..	212	62	212	62
					188	41	..	..	..	..	..	..	..	..	..	..	229	51	229	51
					1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					..	..	..	..	..	..	..	..	..	..	..	..	..	..	310	32
					..	..	..	2	2	..	..	..	..	..	..	..	4	..	4	..
LXV 6 O 357	Dogger Bank, East of N.W. Rough. 55° 8' N., 1° 52½' E.	17½ | gvl. 18 | c.s.	Oct. 10th 4.20 p.m.	Plaice Dab Lemon Dab.. .. Cod Haddock Whiting Grey Gurnard Mackerel Herring Thornback Starry Ray.. ..	1	4	4	..	..	..	..	..	..	..	..	..	9	17	9	17
			4 hrs.		1	2	2	..	..	..	..	..	..	..	..	..	5	..	5	..
					1	48	73	7	2	..	..	..	..	1	..	..	132	65	132	65
					2	188	6	1	..	..	..	..	..	..	..	..	197	35	[1857]	330
					97	23	..	..	..	..	..	..	..	..	..	..	120	25	[418]	87
					..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	32
					..	2	..	..	..	..	..	..	..	..	..	..	2	..	2	..
					..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					2	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
LXV 7 O 358	Dogger Bank, N.W. of Eastern Shoal. 54° 39' N., 2° 17½' E.	14 | f.g.s. 10½ | 13 | f.g.s.	Oct. 11th 4 a.m. 5 hrs.	Plaice Dab Cod Haddock Whiting Grey Gurnard	8	11	8	..	..	..	..	..	..	..	..	..	27	18½	27	18½
			4 a.m.		41	172	12	..	..	..	..	..	..	..	..	..	225	36	[1181]	189
			5 hrs.		12	43	12	6	1	1	..	..	..	..	..	..	75	49	75	49
					376	10	14	..	..	..	..	..	..	..	..	..	400	88½	400	88½
					2	210	27	..	..	..	..	..	..	..	..	..	239	45	239	45
					..	..	..	..	..	..	..	..	..	..	..	..	..	..	82	11
LXV 8 O 359	Dogger Bank, Eastern Shoal. 54° 41½' N., 2° 30½' E.	13 | f.g.s. 13 | f.g.s. & sh. 11½ | f.g.s.	Oct. 11th 10.10 a.m. 4 hrs.	Plaice Dab Cod Haddock Whiting Grey Gurnard Ling	2	7	4	..	..	..	..	..	..	..	..	..	13	9	13	9
			10.10 a.m.		104	33	1	..	..	..	..	..	..	..	..	..	138	11	[1455]	116
			4 hrs.		12	106	13	3	..	..	..	..	..	..	..	..	134	..	134	..
					57	4	17	4	..	..	..	..	..	..	..	..	82	37	[246]	111
					108	20	..	..	..	..	..	..	..	..	..	..	128	26	128	26
					66	68	2	..	..	..	..	..	..	..	..	..	136	14	136	14
					..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
LXV 9 O 360	East part of Clay Deep. 55° 13½' N., 4° 16½' E.	24 | s. & oz. 24 | 24 | s. & oz.	Oct. 12th 4 a.m. 5 hrs.	Plaice Dab Turbot Cod Haddock Whiting Mackerel Cat Fish Horse Mackerel. Starry Ray.. ..	6	41	3	2	52	27	52	27
			4 a.m.		195	5	..	..	..	..	..	..	..	..	..	..	200	10½	[1505]	79
			5 hrs.		15	21	3	4	..	2	..	..	..	..	..	..	45	30	45	30
					1	298	14	19	1	..	..	..	..	..	..	..	333	75	[1586]	346
					94	56	4	..	..	..	..	..	..	..	..	..	154	40	154	40
					4	3	..	..	..	..	..	..	..	..	..	..	7	..	7	..
					..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					5	..	..	..	..	..	..	..	..	..	..	..	5	..	5	..
					2	..	..	..	..	..	..	..	..	..	..	..	2	..	2	..
LXV 10 O 361	Clay Deep, Edge of Dogger. 55° 13½' N., 4° 7½' E.	24 | f.g.s. 20 | f.g.s. & sh. 23 | f.g.blk.s.	Oct. 12th 9.40 a.m. 5 hrs.	Plaice Dab Lemon Dab.. .. Turbot Cod Haddock Whiting Coal Fish Grey Gurnard Hake.. .. Mackerel Starry Ray.. ..	23	47	4	2	76	35½	76	35½
			9.40 a.m.		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	68
			5 hrs.		1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					4	1	..	..	..	..	..	..	..	..	..	..	5	14	5	14
					11	12	3	2	..	..	..	..	..	..	..	..	28	16	28	16
					..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	262
					3	46	20	1	..	..	..	..	..	..	..	..	70	16	70	16
					..	..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					..	..	..	..	..	..	..	..	..	..	..	..	..	..	254	17
					..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
					1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul.	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..	0+	4+	8+	12+	15 $\frac{1}{2}$ +	19 $\frac{1}{2}$ +	23 $\frac{1}{2}$ +	27 $\frac{1}{2}$ +	31 $\frac{1}{2}$ +	35 $\frac{1}{2}$ +	39 $\frac{1}{2}$ +	Measured.		Total Catch.	
					Cm. ..	0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+	No.	Kg.	No.	Kg.
LXVI 1 B 397	Flamborough Off .. 54° 3 $\frac{1}{2}$ ' N., 0° 34 $\frac{1}{2}$ ' E.	28 26	f.d.g.s. f.d.g.s.	Oct. 19th 7 a.m. 4 hrs.	Plaice ..	2	5	10	7	2	..	..	..	..	..	28	20	26	20
					Dab ..	242	31	4	..	..	..	..	..	..	..	279	18	279	18
					Lemon Dab..	..	15	13	1	..	..	..	..	..	..	29	13	29	13
					Sole ..	..	4	3	..	..	..	..	..	..	..	7	..	7	..
					Turbot ..	..	..	1	..	2	..	..	..	..	..	3	10	3	10
					Brill ..	..	..	..	1	2	..	..	..	..	..	3	9	3	9
					Long Rough Dab ..	9	5	..	..	..	..	..	..	..	..	14	..	14	..
					Cod ..	2	55	17	9	4	..	..	..	..	..	87	34	87	34
					Haddock ..	1	267	1	..	..	..	..	..	..	..	269	39	269	39
					Whiting ..	31	158	16	..	..	..	..	..	..	..	205	25	205	25
					Grey Gurnard ..	55	39	6	..	..	..	..	..	..	..	100	..	208	27
					Conger ..	..	..	..	..	..	..	..	..	..	1	1	..	1	..
					Angler ..	..	..	..	1	..	..	..	..	..	..	1	..	1	..
					Cuckoo Ray ..	1	..	1	..	..	..	..	..	..	..	2	..	2	..
					Spur Dog ..	..	..	..	4	1	1	..	..	..	..	6	..	6	..
LXVI 2 O 362	Flamborough Off .. 54° 8 $\frac{1}{2}$ ' N., 0° 41 $\frac{1}{2}$ ' E.	26 30	f.d.g.s. f.d.g.s.	Oct. 19th Noon. 4 hrs.	Plaice ..	..	9	22	5	1	..	..	..	..	..	37	..	37	..
					Dab ..	99	12	..	..	..	..	..	..	..	..	111	..	111	..
					Lemon Dab..	..	6	..	..	..	..	..	..	..	..	6	..	6	..
					Sole ..	..	2	8	..	..	..	..	..	..	..	10	..	10	..
					Turbot ..	..	..	..	2	2	..	..	..	..	..	4	..	4	..
					Long Rough Dab ..	..	2	..	..	..	..	..	..	..	..	2	..	2	..
					Cod ..	..	29	21	1	1	..	..	1	2	..	55	..	55	..
					Haddock ..	..	180	1	..	..	..	..	..	..	..	181	..	790	..
					Whiting ..	..	42	12	..	..	..	..	..	..	..	54	..	54	..
					Pout ..	..	1	52	14	..	..	..	..	..	..	67	..	67	..
					Poor Cod ..	..	4	..	..	..	..	..	..	..	..	4	..	4	..
					Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	201	..
					Greater Weever Angler ..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
					Mackerel ..	..	1	1	..	..	..	..	..	..	..	2	..	2	..
					Ling ..	..	..	..	..	..	1	..	..	1	..	2	..	2	..
LXVI 3 O 363	Flamborough Off .. 54° 11 $\frac{1}{2}$ ' N., 0° 38 $\frac{1}{2}$ ' E.	30 30	f.d.g.s. f.d.g.s.	Oct. 19th 4.40 p.m. 5 $\frac{1}{2}$ hrs.	Plaice ..	..	1	7	2	2	..	..	..	..	..	12	..	12	..
					Only Plaice recorded.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
LXVI 4 O 364	Flamborough Off .. 54° 6 $\frac{1}{2}$ ' N., 0° 38 $\frac{1}{2}$ ' E.	30 26	f.d.g.s. f.g.s.	Oct. 19th & 20th 10.30 p.m. (19th) 5 $\frac{1}{2}$ hrs.	Plaice ..	..	3	22	3	2	..	..	..	..	..	30	..	30	..
					Only Plaice recorded.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
LXVI 5 O 365	Western Edge of Flamborough Off. 54° 0 $\frac{1}{2}$ ' N., 0° 37 $\frac{1}{2}$ ' E.	26 26	f.g.s. f.g.s.	Oct. 20th 4.30 a.m. 5 hrs.	Plaice ..	..	12	29	9	..	..	..	..	..	..	50	..	50	..
					Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	294	..
					Lemon Dab..	..	7	7	..	..	..	..	..	..	..	14	..	14	..
					Sole ..	..	17	9	..	..	..	..	..	..	..	26	..	26	..
					Turbot ..	..	..	..	3	..	..	..	..	..	..	3	..	3	..
					Brill ..	..	..	2	5	..	..	..	..	..	..	7	..	7	..
					Cod ..	..	39	43	7	2	..	..	1	..	..	92	..	92	..
					Haddock ..	..	31	..	..	..	..	..	..	..	..	31	..	781	..
					Whiting ..	1	103	50	..	..	..	..	..	..	..	154	..	218	..
					Grey Gurnard ..	..	..	..	..	..	..	..	..	..	..	..	..	309	..
					Herring ..	..	1	..	..	..	..	..	..	..	..	1	..	1	..
					Greater Weever. Angler ..	..	..	..	..	..	..	..	..	..	..	..	..	9	..
					Ling ..	..	..	..	2	..	..	..	..	..	..	2	..	2	..
					Spur Dog ..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
LXVI 6 O 366	Flamborough Off .. 54° 1 $\frac{1}{2}$ ' N., 0° 45 $\frac{1}{2}$ ' E.	26 25	f.g.s. f.d.g.s.	Oct. 20th 10 p.m. 4 $\frac{1}{2}$ hrs.	Plaice ..	2	6	28	13	1	..	..	..	..	..	50	..	50	..
					Dab ..	..	..	..	..	..	..	..	..	..	..	..	..	360	..
					Lemon Dab ..	..	4	11	..	..	..	..	..	..	..	15	..	15	..
					Sole ..	..	3	7	..	..	..	..	..	..	..	10	..	10	..
					Brill ..	..	1	1	..	..	..	..	..	..	..	2	..	2	..

III. SUMMARIES OF HAULS.

Voyage, Station, and No. of Haul	Fishing Ground and Central Position.	Depth (Fms.) and Soil.	Date, Hour Shot, and Duration.	Ins. ..												Measured.		Total Catch.		
				0+	4+	8+	12+	15+	19+	23+	27+	31+	35+	39+	No.	Kg.	No.	Kg.		
				Cm. ..																
				0+	10+	20+	30+	40+	50+	60+	70+	80+	90+	100+						
LXVII 4 B (c) 398	Margate Roads ..	7	s.m.gvl.	Oct. 31st	Plaice ..	..	..	..	..	..	1	..	..	..	..	1	..	1	..	
	51° 24 $\frac{3}{8}$ ' N., 1° 25 $\frac{1}{4}$ ' E.	8		8.40 p.m.	Dab ..	..	2	81	56	1	..	..	..	..	..	140	16	140	16	
	Covered net, experi- ment (No. 19).		8	s.m.	1 $\frac{1}{2}$ hrs.	Sole ..	..	..	6	30	4	1	..	..	..	..	41	10	41	10
						Cod ..	..	..	..	4	5	3	..	1	1	..	14	17	14	17
						Whiting ..	1	14	72	11	..	..	..	..	..	..	98	19	98	19
						Pout ..	..	..	7	2	..	..	..	..	..	..	9	..	9	..
						Latchet ..	..	..	1	..	..	..	..	..	..	..	1	..	1	..
						Angler ..	..	..	..	..	..	..	..	..	..	..	..	..	6 (small)	..
						Thornback ..	2	4	4	1	..	1	..	..	..	..	12	..	12	..
						Conger ..	..	..	..	..	..	..	1	..	..	..	1	..	1	..
				Spur Dog ..	..	..	..	..	..	..	..	..	..	..	..	..	6	..		
LXVII 5 B 399	Margate Roads ..	8	s.m.	Oct. 31st	Dab ..	..	..	8	3	..	..	..	..	..	..	11	..	11	..	
	51° 24 $\frac{7}{8}$ ' N., 1° 25 $\frac{3}{4}$ ' E.	8		2 p.m.	Sole ..	..	..	3	7	1	..	..	..	..	..	11	..	11	..	
	Belly and wings very badly torn.		9		1 $\frac{3}{4}$ hrs.	Cod ..	..	..	..	2	..	..	..	..	..	..	2	..	2	..
			9 $\frac{1}{2}$	s.m.		Whiting ..	..	..	12	65	6	..	..	..	..	..	83	..	83	..
						Pout ..	..	..	19	4	..	..	..	..	..	..	23	..	23	..
						Thornback ..	4	5	6	..	..	..	..	..	..	..	15	..	15	..
				Spur Dog ..	..	..	..	6	..	..	..	..	..	..	6	..	6	..		



CONTOUR LINES.

—	10	METRE LINE.
- - -	20	" "
· · · · ·	40	" "
· · · · ·	60	" "

EQUIVALENT DEPTHS.

1	METRE = 0.5	FATHOM
10	METRES = 5.4	" "
20	" = 10.9	" "
40	" = 21.8	" "
60	" = 32.8	" "

1	FATHOM = 1.8	METRES
5	FATHOMS = 9.1	" "
10	" = 18.2	" "
20	" = 36.6	" "
30	" = 55.0	" "

LIGHTS.

HOUSES ————

VESSELS ————

THE POSITION OF THE LIGHT IS INDICATED BY THE BLACK SPOT.

SOUTH PART OF NORTH SEA

Scale 1:1,200,000

1904.

POSITION OF TRAWL HAULS.

The lines represent the track of the trawl at each of the stations indicated. A broken line indicates that the catch was probably influenced by an accident to the net.

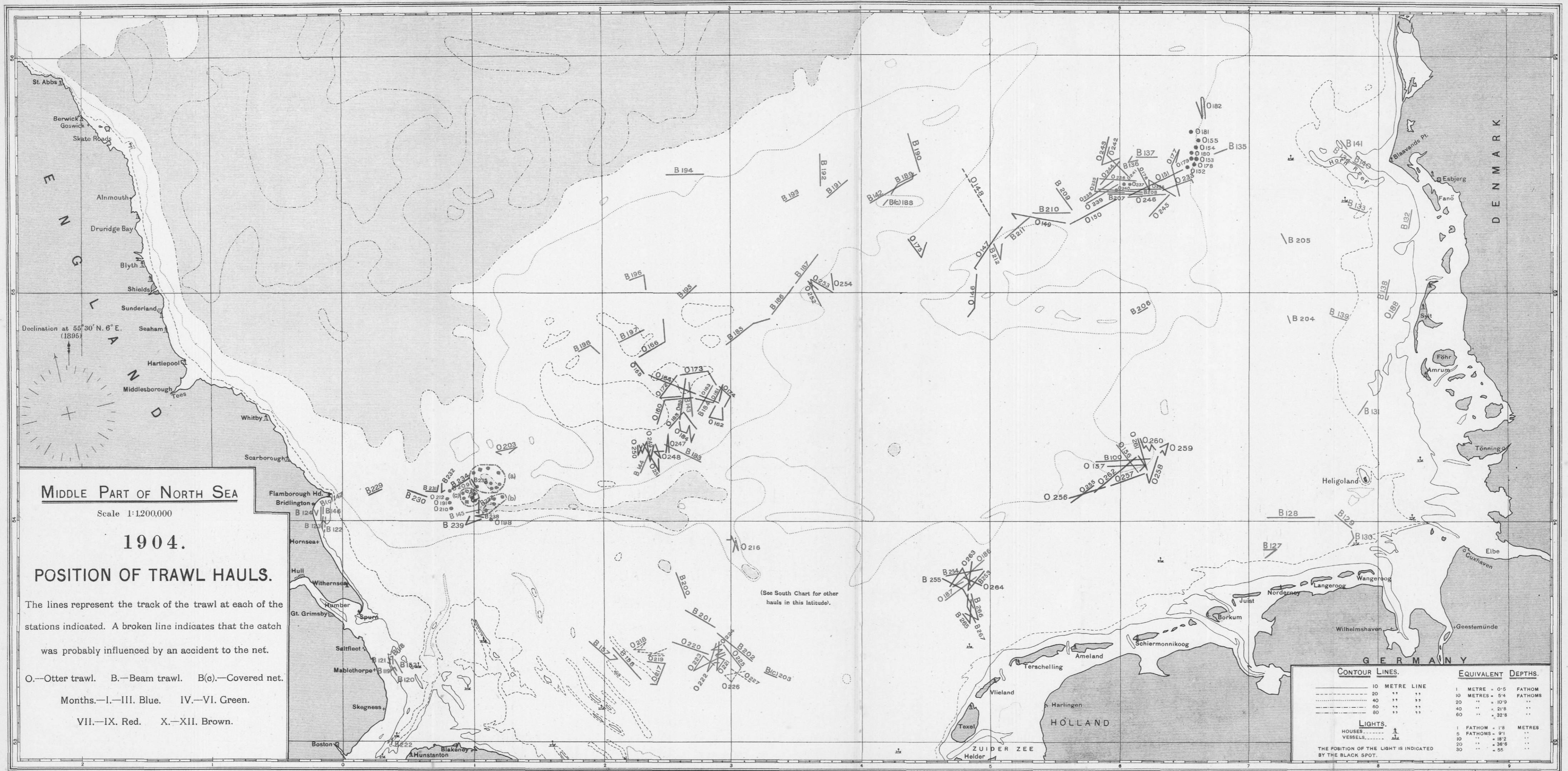
O.—Otter trawl. B.—Beam trawl. B(c).—Covered net.

Months.—I.—III. Blue. IV.—VI. Green.

VII.—IX. Red. X.—XII. Brown.

Trawling Investigations, 1904-5.

HELIOZINCORPHED AT THE ORDNANCE SURVEY OFFICE, SOUTHAMPTON 1909.



MIDDLE PART OF NORTH SEA

Scale 1:1200,000

1904.

POSITION OF TRAWL HAULS.

The lines represent the track of the trawl at each of the stations indicated. A broken line indicates that the catch was probably influenced by an accident to the net.

O.—Otter trawl. B.—Beam trawl. B(c).—Covered net.

Months.—I.—III. Blue. IV.—VI. Green.

VII.—IX. Red. X.—XII. Brown.

(See South Chart for other hauls in this latitude).

CONTOUR LINES.		EQUIVALENT DEPTHS.	
—	10 METRE LINE	1 METRE = 0.5	FATHOM
---	20 "	10 METRES = 5.4	FATHOMS
----	40 "	20 "	10.9 "
-----	60 "	40 "	21.8 "
-----	80 "	60 "	32.8 "

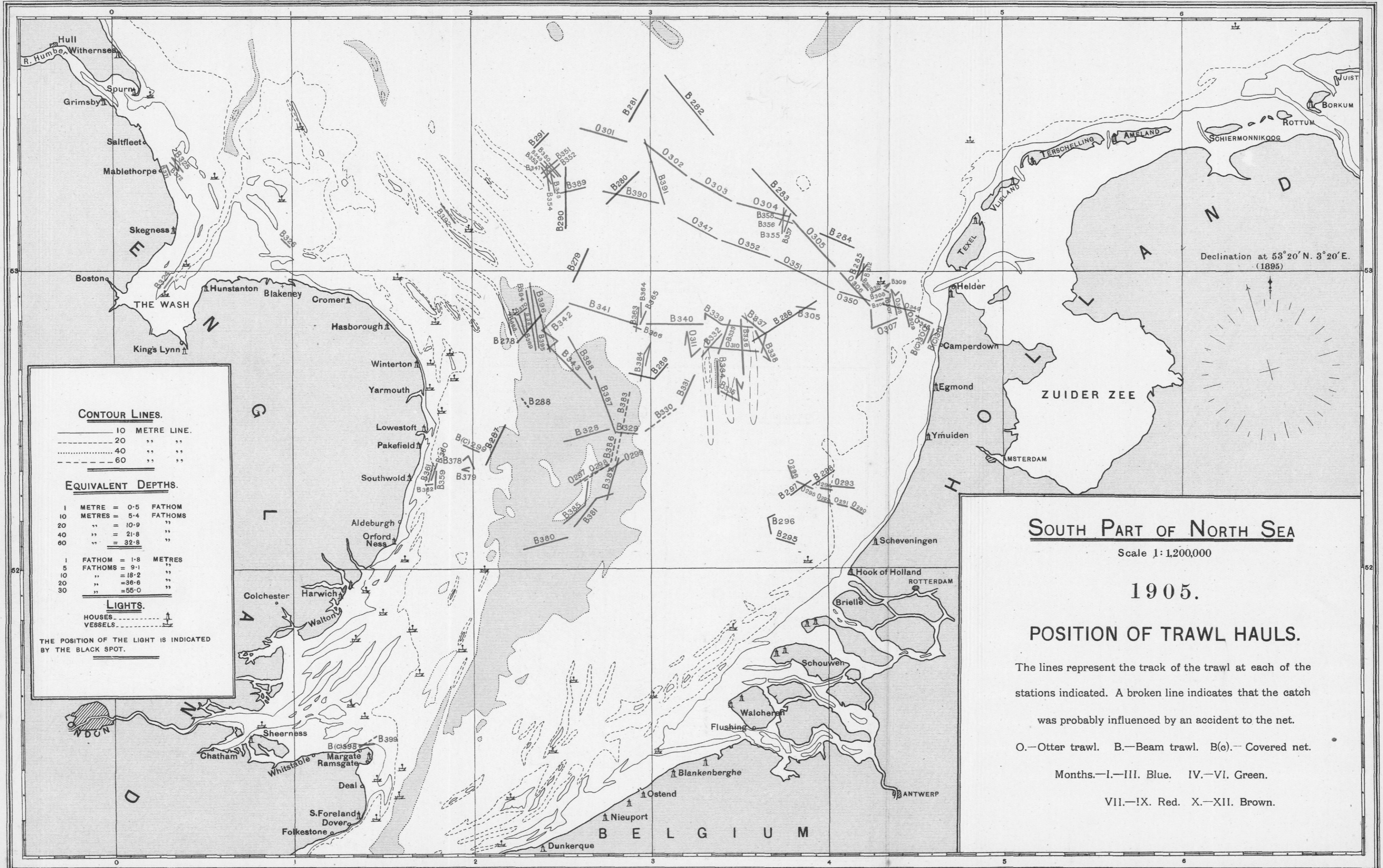
LIGHTS.		EQUIVALENT DEPTHS.	
HOUSE	1	1 FATHOM = 1.8	METRES
VESSLS	1	5 FATHOMS = 9.1	"
		10 "	18.2 "
		20 "	36.6 "
		30 "	55 "

THE POSITION OF THE LIGHT IS INDICATED BY THE BLACK SPOT.

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- (a) B (c) 155, O 193, O 200, O 201, O 202, O 204, O 205, O 206, O 207, O 214, O 215.
- (b) O 194, O 195, O 196, O 197.
- (c) B (c) 155, O 192, O 199, O 208, O 211, O 213.

- = Otter Trawl
 - = Beam
- } Central Positions.



CONTOUR LINES.

—	10 METRE LINE.
- - -	20 " "
· · ·	40 " "
- · -	60 " "

EQUIVALENT DEPTHS.

1	METRE = 0.5	FATHOM
10	METRES = 5.4	FATHOMS
20	" = 10.9	"
40	" = 21.8	"
60	" = 32.8	"

1	FATHOM = 1.8	METRES
5	FATHOMS = 9.1	"
10	" = 18.2	"
20	" = 36.6	"
30	" = 55.0	"

LIGHTS.

HOUSES ————

VESSELS ————

THE POSITION OF THE LIGHT IS INDICATED BY THE BLACK SPOT.

SOUTH PART OF NORTH SEA

Scale 1:1,200,000

1905.

POSITION OF TRAWL HAULS.

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Trawling Investigations, 1904-5.

HELIOZINCORPHED AT THE ORNANCE SURVEY OFFICE, SOUTHAMPTON 1908



