CRUISE SUMMARY	FOR COLLATING CENTRE USE		
REPORT	Centre: Ref. no: Is data exchange restricted?		
	Yes In part No		
SHIP			
Name: TRIDENS 2	Call Sign: <mark>PBVO</mark>		
Type of ship: FISHERIES RESEARCH VESSEL			
CRUISE NO./NAME: North Sea Herring and Pelagic Ecosyst	tem Survey (HERAS) 2018		
CRUISE PERIOD start 25-06-2018 end	20-07-2018		
PORT OF DEPARTURE: SCHEVENINGEN, THE NETHER	LANDS		
PORT OF RETURN: SCHEVENINGEN, THE NETHERLAN	<mark>IDS</mark>		
RESPONSIBLE LABORATORY:			
Name: Wageningen Marine Research (WMR)			
Address: P.O. BOX 68			
1970 AB IJMUIDEN			
HARINGKADE 1	Country: THE NETHERLANDS		
CHIEF SCIENTIST(S)	Country. THE NETHERLANDS		
Bram Couperus			
Brain coaporas			
OBJECTIVES AND BRIEF NARRATIVE OF CRUISE			
The objective was to carry out an hydro acoustic survey defining	ng the abundance of herring and sprat in the North Sea		
PROJECT:			
Project name: North Sea Herring Acoustic Survey (HERAS)			
Coordinating body: ICES International Council for Exploration	of the Sea		

PRINCIPAL INVESTIGATORS:
A. Bram Couperus, Wageningen Marine Research, P.O. Box 68, 1970 AB IJmuiden, The Netherlands
B.
C.
D.
E.
F.

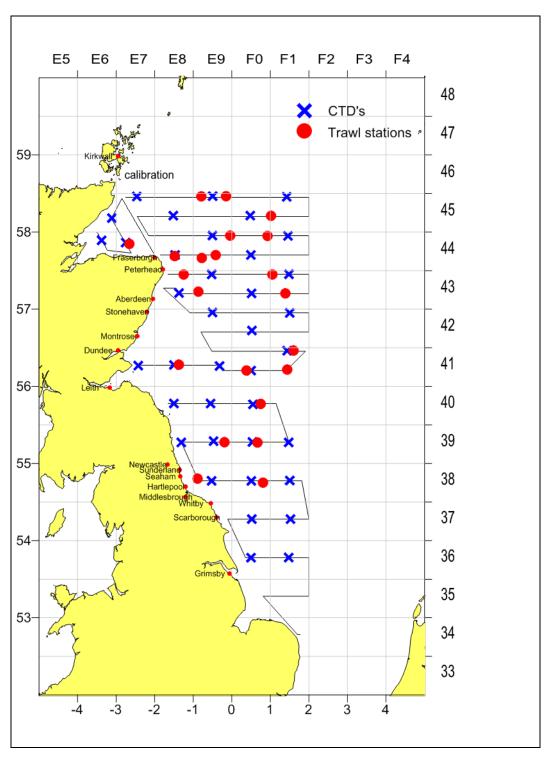
MOORINGS, BOTTOM MOUNTED GEAR AND DRIFTING SYSTEMS			
PI	APPROXIMATE POSITION		DESCRIPTION
	Station-id ICES-rectang	latitude longitude	their depths, whether deployed and/or recovered, dates of deployment and/or recovery, and any identifiers given to the site.

SUMMARY OF MEASURED AND SAMPLES TAKEN				
PI	NO	UNITS	DATA TYPE	DESCRIPTION
A	22	Hauls	B14 Sample ID's	Pelagic fish
A	38	CTD Stations	Hydrographic data	Downcast

TRACK CHART:	1
You are strongly encouraged to submit with the completed report, an	
annotated track chart illustrating the route followed and the points where	Insert a tick ($\sqrt{\ }$) in this box
measurements were taken.	if a track chart is supplied.

GENERAL OCEAN AREA(S):	
North Sea	

SPECIFIC AREAS: -		



Map of executed cruise track (black line), positions of trawl stations (red dots), and hydrographical stations (blue crosses) during the July 2018 North Sea herring acoustic survey on R/V Tridens.

THANK YOU FOR YOUR COOPERATION

Please send your completed report without delay to the collating centre indicated on the cover page.