



Ministerio de Agricultura, Pesca y Alimentación

Secretaría General de Pesca

Regulation (EU) 2017/1004 of the European Parliament and of the Council of 17 May 2017

on the establishment of a Union framework for the collection, management and use of data in the fisheries sector and support for scientific advice regarding the common fisheries policy and repealing Council Regulation (EC) No 199/2008 (recast).

Commission Delegated Decision (EU) 2021/1167 of 16 July 2021

establishing the multiannual Union programme for the collection and management of biological, environmental, technical and socioeconomic data in the fisheries and aquaculture sectors from 2022

Commission Implementing Decision (EU) 2021/1168 of 16 July 2021

establishing the list of mandatory research surveys at sea and thresholds as part of the multiannual Union programme for the collection and management of data in the fisheries and aquaculture sectors from 2022

Commission Implementing Decision (EU) 2021/39

laying down rules on the format and timetables for the submission of national work plans and annual reports on data collection in the fisheries and aquaculture sectors, and repealing Implementing Decisions (EU) 2016/1701 and (EU) 2018/1283

ANNEXES 2.6

Spain Annual Report on data collection in the fisheries and aquaculture sectors

2022

Version [2]

Madrid, 31-05-2023

CONTENTS

Madrid, 30-05-2023.....	2
ANNEX 2.6 Research surveys Maps	4
FLEMISH CAP GROUND FISH SURVEY	4
3LNO GROUND FISH SURVEY (1st part -3NO).....	4
Western IBTS 4th quarter (including porcupine survey). (8c y 9a north)	5
Western IBTS 4th quarter (including porcupine survey). (9a South)	6
Western IBTS 4th quarter (including Porcupine survey) (7ck).....	6
Blue Whiting Survey	7
International Mackerel and Horse Mackerel Egg Survey (triennial) (march april).....	7
Sardine, Anchovy Horse Mackerel Acoustic Survey.....	8
Bluefin Tuna Larval Survey.....	9
Nephrops UWTV Survey	9
Western IBTS 1st quarter	10
Acoustic Survey on Sardine and Anchovy-Recruits.....	11

ANNEX 2.6 Research surveys Maps

FLEMISH CAP GROUNDFISH SURVEY

Acronym: FCGS

National Name of the research survey: Flemish Cap

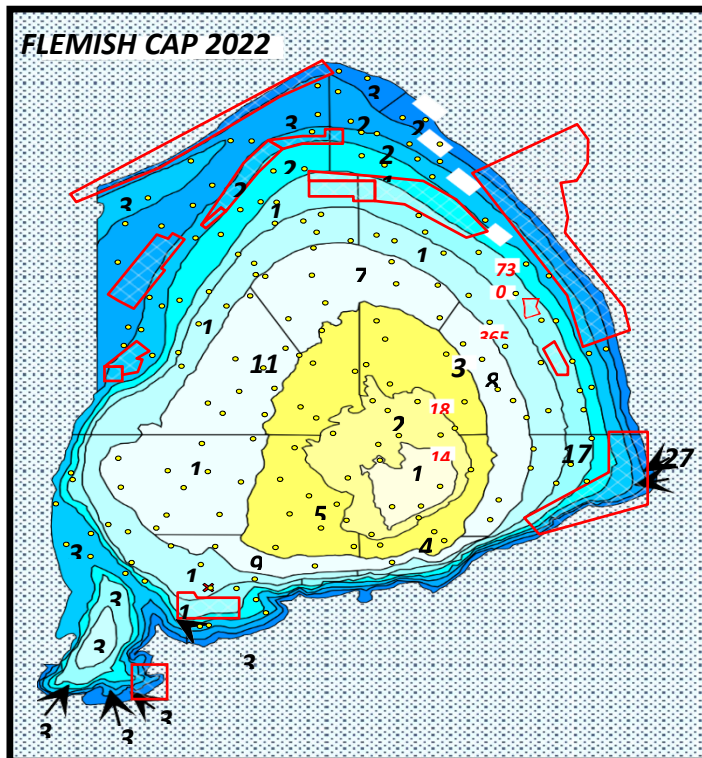


Figure 1: Location of the hauls performed (valids in green and nulls in red) during the FLEMISH CAP GROUND FISH SURVEY–2022 in Flemish Cap Bank (NAFO Div. 3M)

3LNO GROUND FISH SURVEY (1st part -3NO)

Acronym: PLATUXA

National Name of the research survey: Platuxa

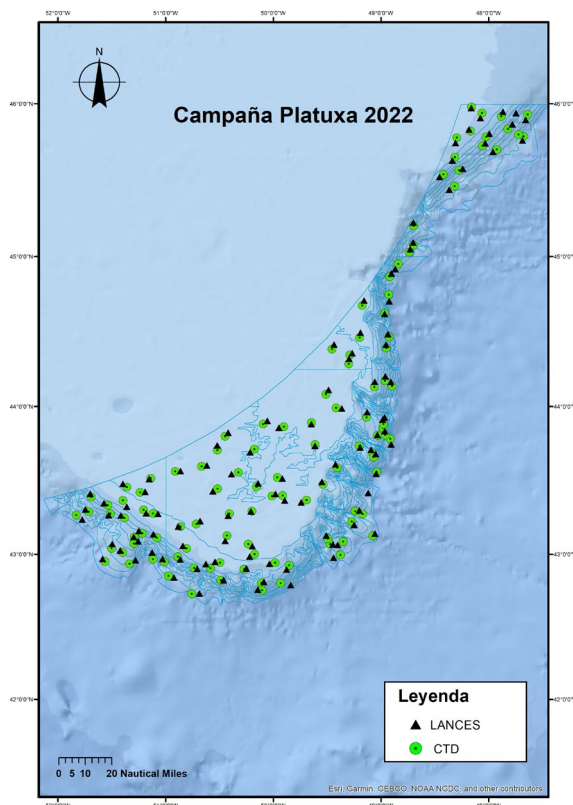


Figure 2: Location of the hauls and CTD casts obtained during the 1st part of “3LNO GROUND FISH SURVEY – 2022” in the Grand Bank (NAFO Div. 3NO).

Western IBTS 4th quarter (including porcupine survey). (8c y 9a north)

Acronym: IBTS_Q4

National Name of the research survey: Demersales

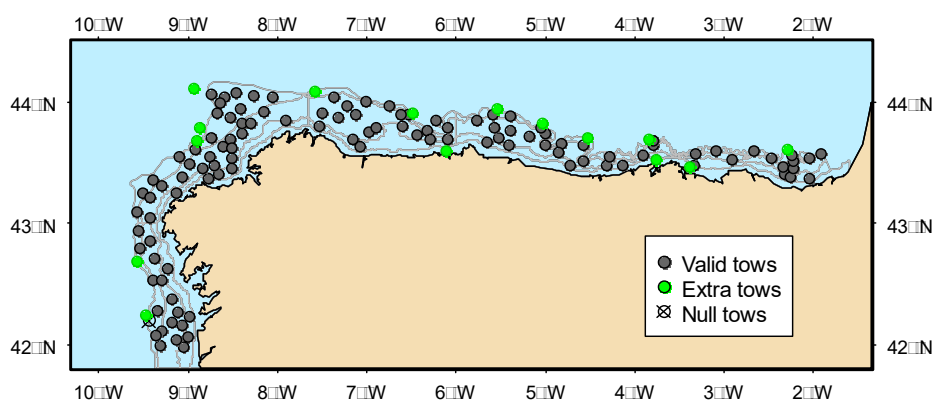


Figure 3: Map of the sampling hauls carried out during the survey IBTS 4th quarter 8c 9a 2022 (North Spanish shelf).

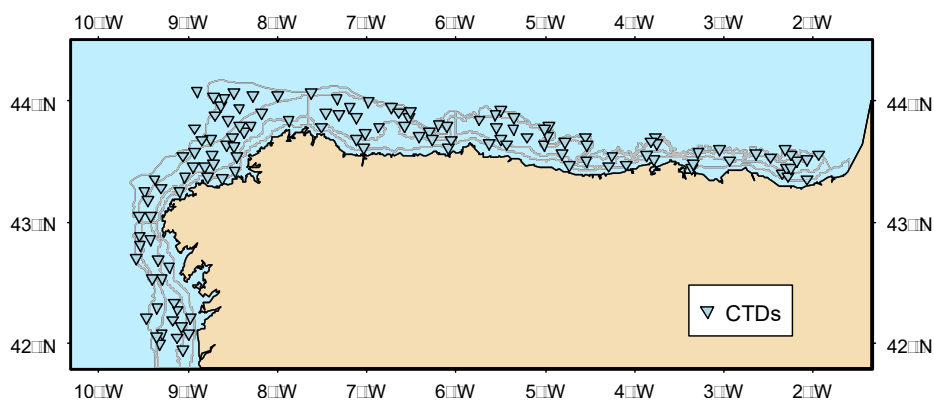


Figure 4.- Map showing the CTD stations performed during the survey IBTS 4th quarter 8c 9a 2022 (North Spanish shelf).

Western IBTS 4th quarter (including porcupine survey). (9a South)

Acronym: IBTS_Q4

National Name of the research survey: Arsa-otoño

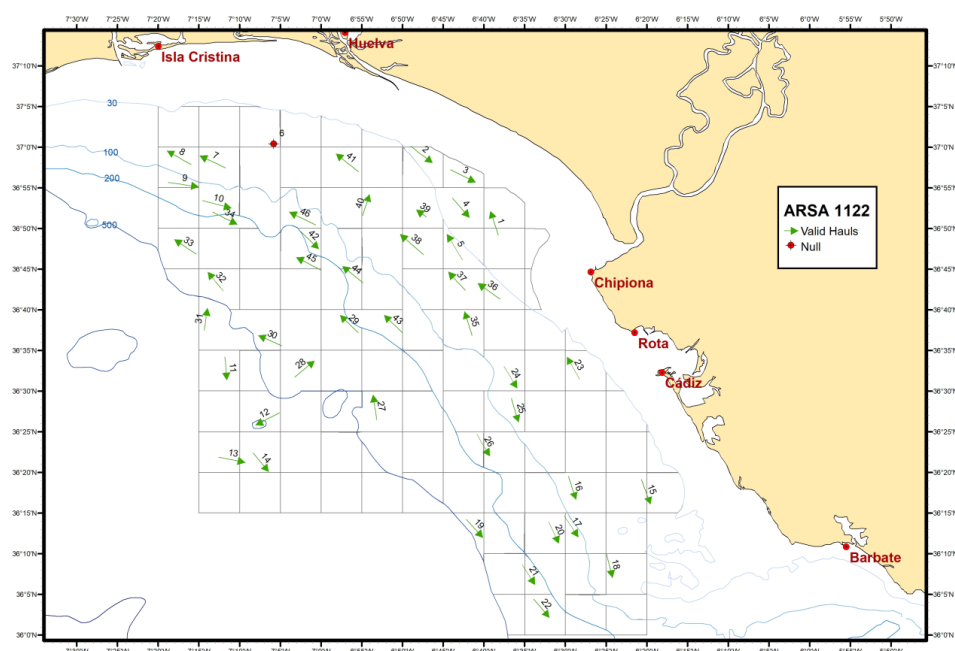


Figure 5.- Map of the sampling hauls carried out during the survey IBTS 4th quarter in the Southern 9a, Gulf of Cadiz 2022.

Western IBTS 4th quarter (including Porcupine survey) (7ck)

Acronym: IBTS_Q4

National Name of the research survey: Porcupine

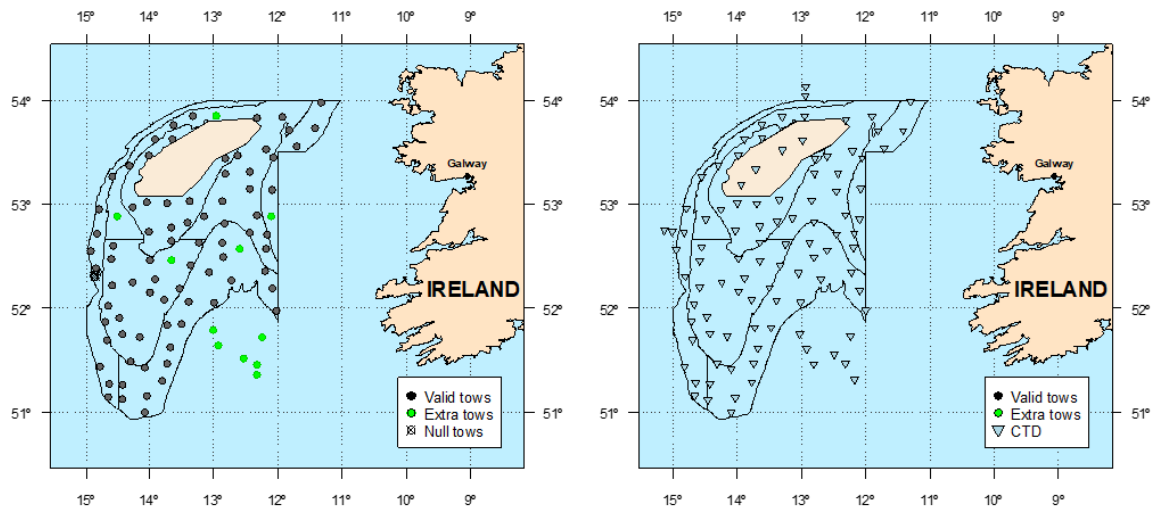


Figure 6.- Geographic sectors used in the survey with hauls and CTD stations respectively conducted during the Western IBTS 4th quarter 7ck Porcupine Spanish ground fish survey in 2022.

Blue Whiting Survey

Acronym: IBWSS

National Name of the research survey: Blue Whiting

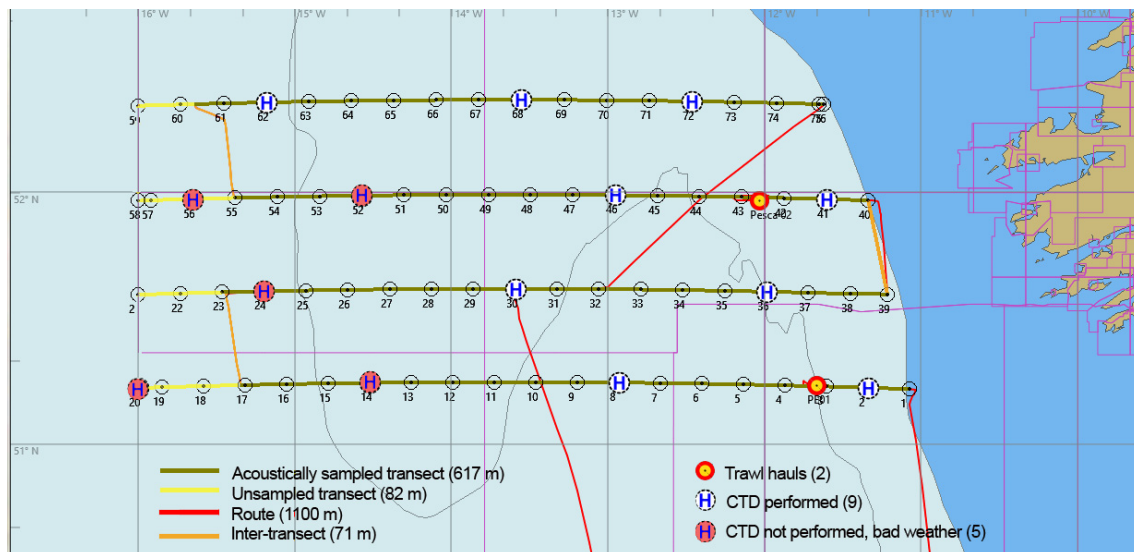


Figure 7.- Map of the acoustic sampling transects, trawl hauls and CTD performed during the Spanish survey IBWSS 2022.

International Mackerel and Horse Mackerel Egg Survey (triennial) (march april)

Acronym: MEGS

National Name of the research survey: Careva

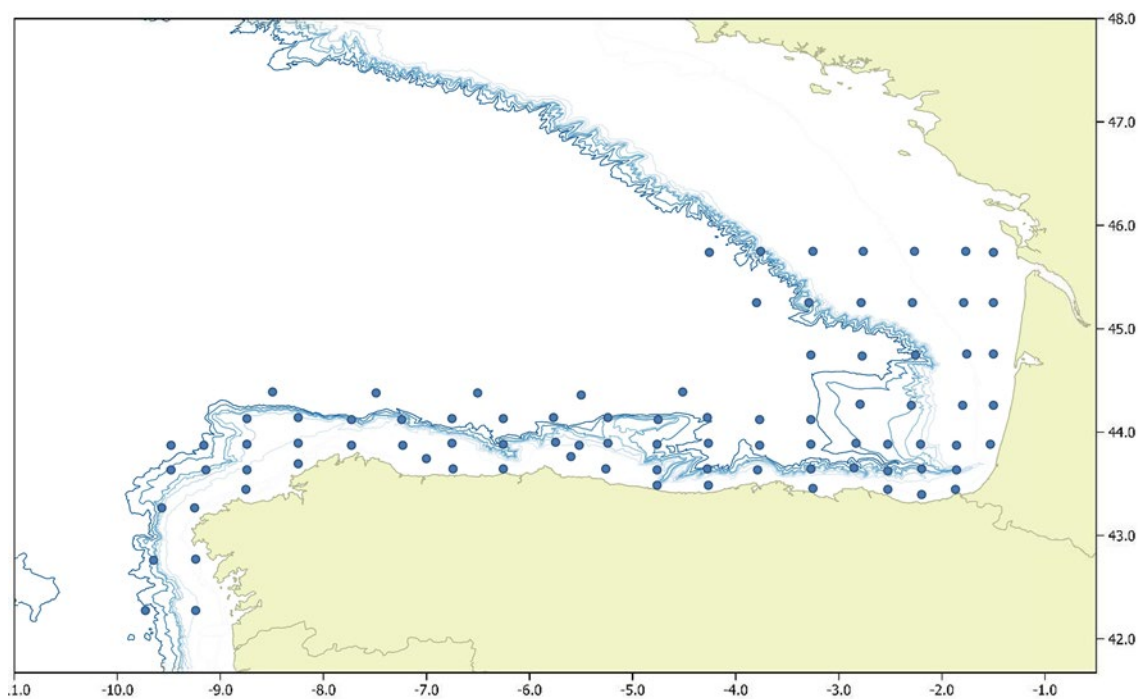


Figure 8.- Map showing the sampling design of the plankton hauls carried out to adapt to the reduced survey days of the MEGS (CAREVA) survey.

Sardine, Anchovy Horse Mackerel Acoustic Survey

Acronym: SAHMAS

National Name of the research survey: PELACUS

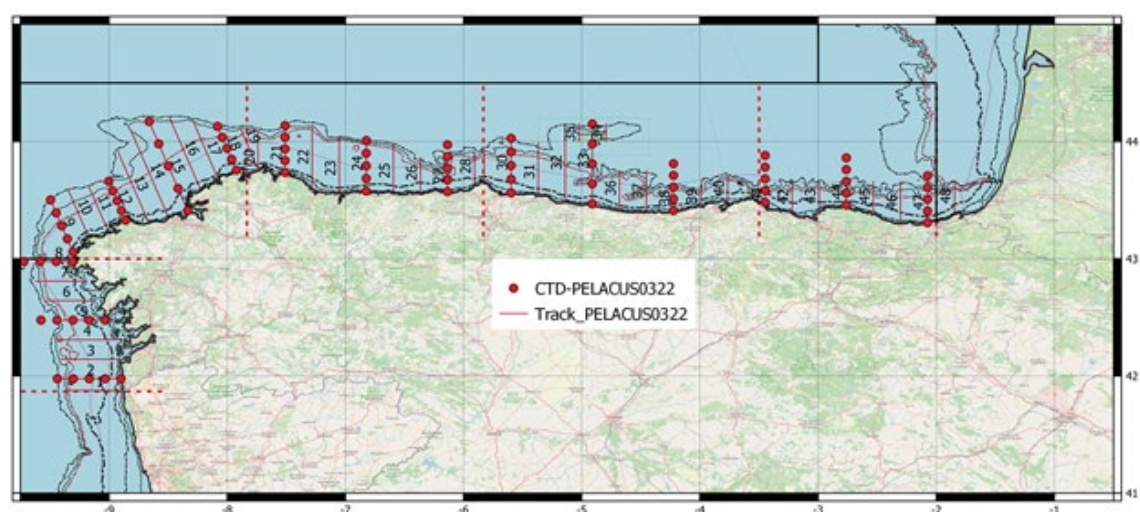


Figure 9: Map of the acoustic sampling tracks and CTD performed during the Spanish survey Anchovy Horse Mackerel Acoustic Survey (PELACUS) 2022

Bluefin Tuna Larval Survey

Acronym: TUNIBAL

National Name of the research survey: TUNIBAL

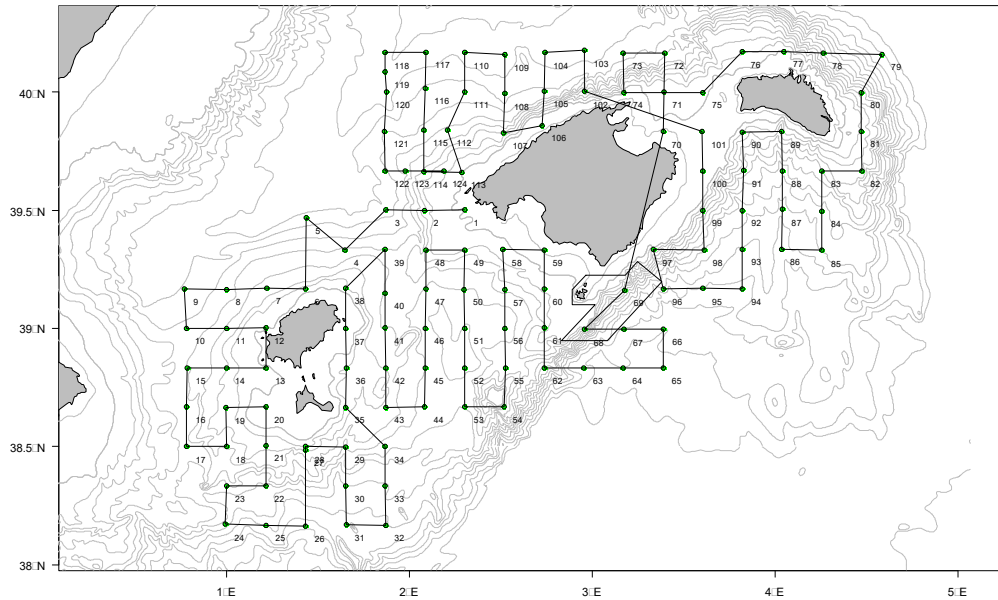


Figure 10: Route followed during hydrographic and plankton sampling with the order number of operations is on the map.

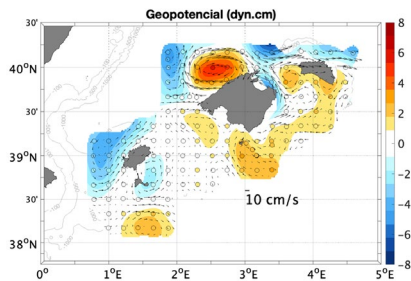


Figure 11

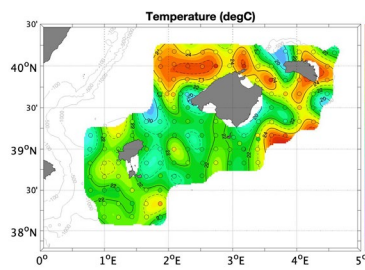


Figure 12

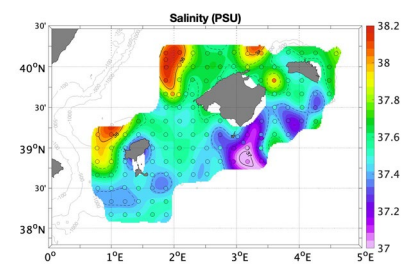


Figure 13

Figure 11, 12 & 13: CTD data was used to characterize the geopotential, temperature and salinity at 15 m of the tuna spawning ground

Nephrops UWTV Survey

Acronym: UWTV30

National Name of the research survey: ISUNEPCA

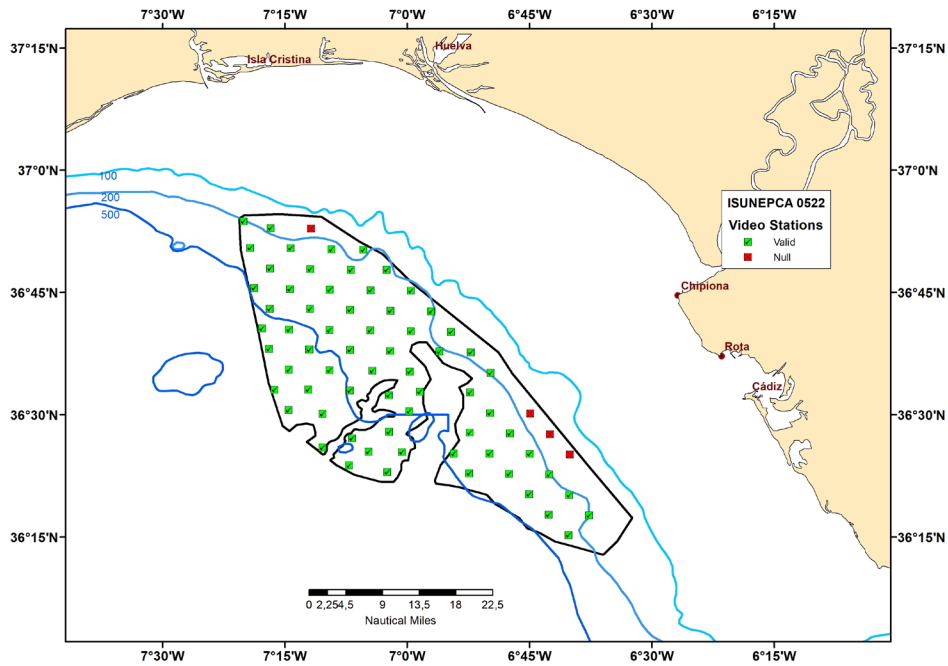


Figure 14: Map of the video stations carried out during the Nephrops UWTV survey 2022 in the Southern 9a, Gulf of Cadiz.

Western IBTS 1st quarter

Acronym: IBTS_Q1

National Name of the research survey: Arsa-primavera

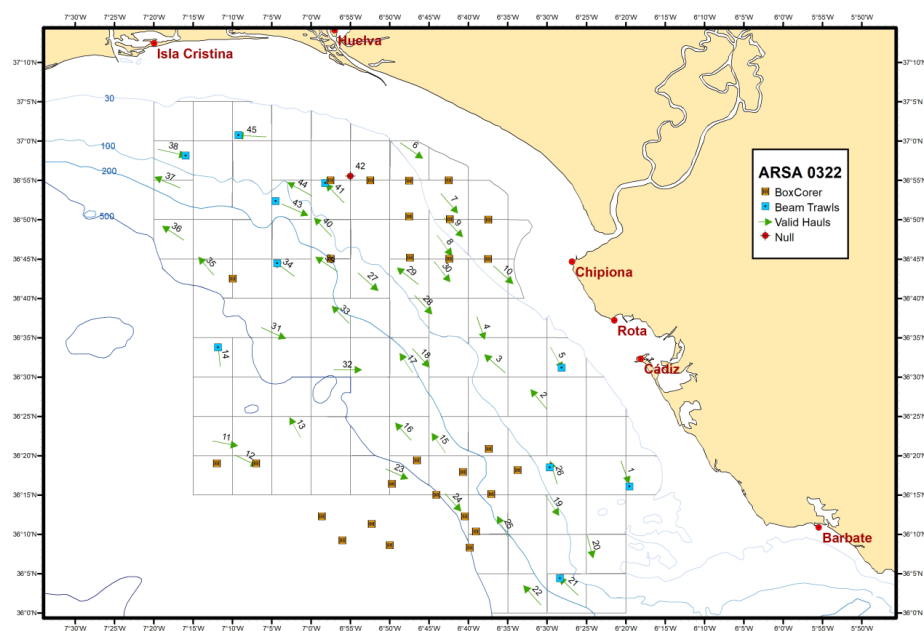


Figure 15: Map of the sampling hauls carried out during the survey IBTS 1st quarter 2022 in the Southern 9a, Gulf of Cadiz.

Acoustic Survey on Sardine and Anchovy-Recruits

Acronym: -

National Name of the research survey: ECOCADIZ-reclutas

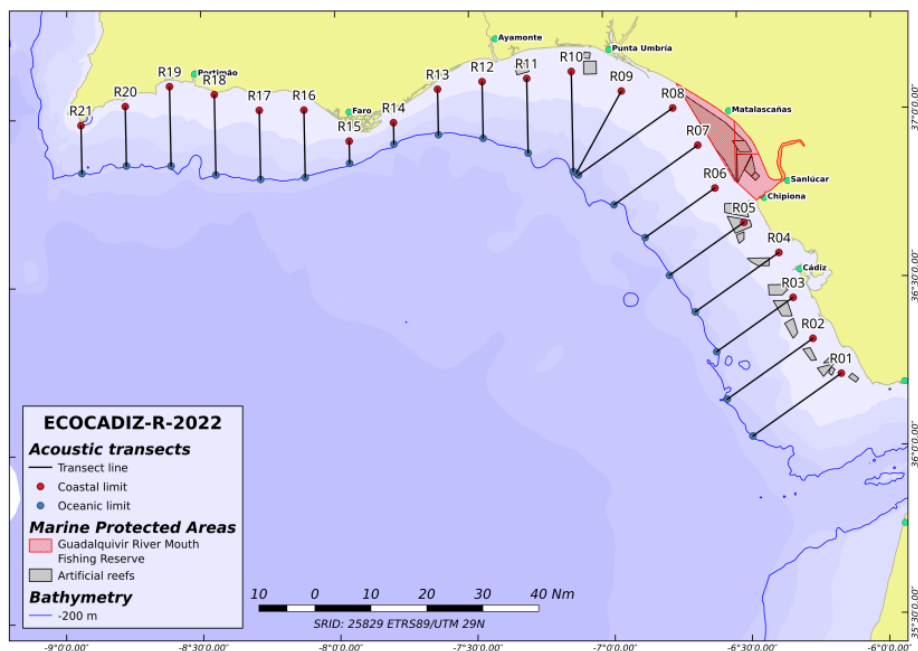


Figure 16.- Graphical representation showing the transects of acoustic survey carried out during the Sardine and Anchovy-Recruits Survey 2022 in the Southern 9a, Gulf of Cadiz.

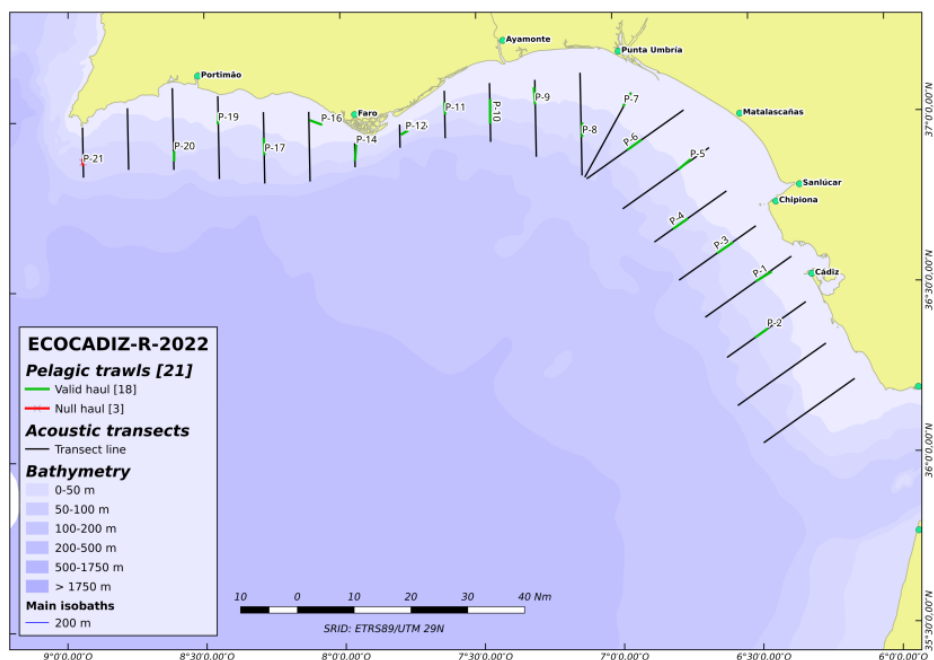


Figure 17.- Graphical representation showing the pelagic fishing hauls carried out during the Acoustic Survey on Sardine and Anchovy-Recruits 2022 in the Southern 9a, Gulf of Cadiz.

