

CRUISE SUMMARY REPORT

FOR COLLATING CENTRE USE

Centre:
Ref.No.:
 Is data exchange Yes In part No
 restricted

SHIP enter the full name and international radio call sign of the ship from which the data were collected, and indicate the type of ship, for example, research ship; ship of opportunity, naval survey vessel; etc.

Name: Vendla

Call Sign: LCYN

Type of ship: Fishing vessel (purse seine and stern trawler) chartered for research purposes

CRUISE NO. / NAME: IESSNS international mackerel-ecosystem survey (2014813) enter the unique number, name or acronym assigned to the cruise (or cruise leg, if appropriate).

CRUISE PERIOD start 01.07-2014 to 28-07-2014 end
(set sail) day/ month/ year day/ month/ year (return to port)

PORT OF DEPARTURE (enter name and country) Bergen, Norway

PORT OF RETURN (enter name and country) Tromsø, Norway

RESPONSIBLE LABORATORY enter name and address of the laboratory responsible for coordinating the scientific planning of the cruise

Name: INSTITUTE OF MARINE RESEARCH

Address: NORDNESGATEN 50

Country: Norway

CHIEF SCIENTIST(S) enter name and laboratory of the person(s) in charge of the scientific work (chief of mission) during the cruise.
 Geir Odd Johanesen (1-14/7-2014) and Endre Grimsbø (14-28/7-2014)

OBJECTIVES AND BRIEF NARRATIVE OF CRUISE enter sufficient information about the purpose and nature of the cruise so as to provide the context in which the report data were collected.

Ecosystem cruise with abundance estimation and biological sampling of Northeast Atlantic (NEA) mackerel and Norwegian spring-spawning (NSS) herring. Predetermined station net for systematic biological sampling with the standardized Multipelt 832 pelagic sampling trawl. Oceanographical measurements with CTD casts 0-500 m depth. Zooplankton sampling with WP2 vertical net hauls 0-200 m depth. Acoustic mapping of pelagic fish and plankton with multi-frequency echosounder and short range multibeam sonars, 4700Nm. Opportunistic marine mammal observations.

PROJECT (IF APPLICABLE) if the cruise is designated as part of a larger scale cooperative project (or expedition), then enter the name of the project, and of organisation responsible for co-ordinating the project.

Project name: International Ecosystem Summer Survey in the Nordic Seas (IESSNS)

Coordinating body: Institute of Marine Research, Bergen, Norway

TRACK CHART: You are strongly encouraged to submit, with the completed report, an annotated track chart illustrating the route followed and the points where measurements were taken.

Insert a tick (✓) in this box if a track chart is supplied

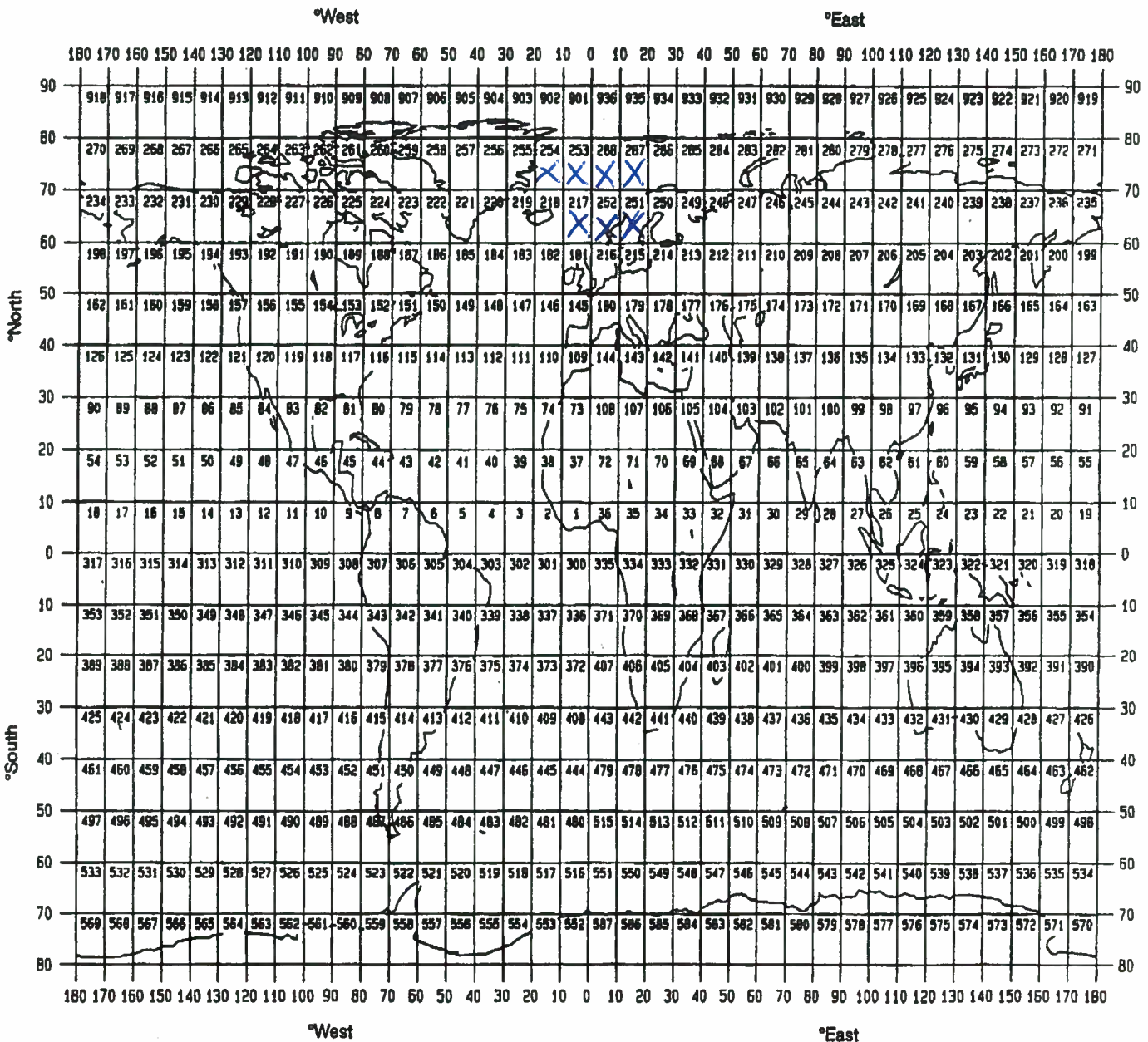
V

GENERAL OCEAN AREA(S): Enter the names of the oceans and/or seas in which data were collected during the cruise – please use commonly recognised names (see, for example, International Hydrographic Bureau Special Publication No. 23, 'Limits of Oceans and Seas').

North sea, Norwegian sea, Barents sea

SPECIFIC AREAS: If the cruise activities were concentrated in a specific area(s) of an ocean or sea, then enter a description of the area(s). Such descriptions may include references to local geographic areas, to sea floor features, or to geographic coordinates.

GEOGRAPHIC COVERAGE - INSERT 'X' IN EACH SQUARE IN WHICH DATA WERE COLLECTED



THANK YOU FOR YOUR COOPERATION

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

PARAMETER CODES**METEOROLOGY**

M01	Upper air observations
M02	Incident radiation
M05	Occasional standard measurements
M06	Routine standard measurements
M71	Atmospheric chemistry
M90	Other meteorological measurements

PHYSICAL OCEANOGRAPHY

H71	Surface measurements underway (T,S)
H13	Bathythermograph
H09	Water bottle stations
H10	CTD stations
H11	Subsurface measurements underway (T,S)
H72	Thermistor chain
H16	Transparency (eg transmissometer)
H17	Optics (eg underwater light levels)
H73	Geochemical tracers (eg freons)
D01	Current meters
D71	Current profiler (eg ADCP)
D03	Currents measured from ship drift
D04	GEK
D05	Surface drifters/drifted buoys
D06	Neutrally buoyant floats
D09	Sea level (incl. Bottom pressure & inverted echosounder)
D72	Instrumented wave measurements
D90	Other physical oceanographic measurements

CHEMICAL OCEANOGRAPHY

H21	Oxygen
H74	Carbon dioxide
H33	Other dissolved gases
H22	Phosphate
H23	Total - P
H24	Nitrate
H25	Nitrite
H75	Total - N
H76	Ammonia
H26	Silicate
H27	Alkalinity
H28	PH
H30	Trace elements
H31	Radioactivity
H32	Isotopes
H90	Other chemical oceanographic measurements

MARINE CONTAMINANTS/POLLUTION

P01	Suspended matter
P02	Trace metals
P03	Petroleum residues
P04	Chlorinated hydrocarbons
P05	Other dissolved substances
P12	Bottom deposits
P13	Contaminants in organisms
P90	Other contaminant measurements

MARINE BIOLOGY/FISHERIES

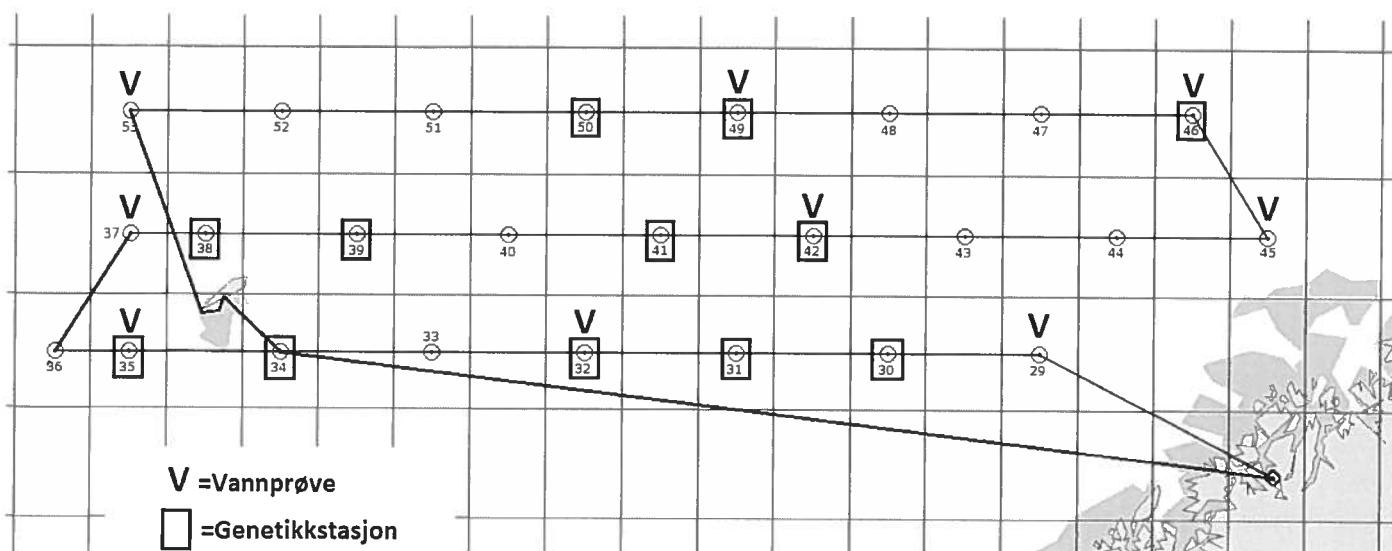
B01	Primary productivity
B02	Phytoplankton pigments (eg chlorophyll, fluorescence)
B71	Particulate organic matter (inc POC, PON)
B06	Dissolved organic matter (inc DOC)
B72	Biochemical measurements (eg lipids, amino acids)
B73	Sediment traps
B08	Phytoplankton
B09	Zooplankton
B03	Seston
B10	Neuston
B11	Nekton
B13	Eggs & larvae
B07	Pelagic bacteria/micro-organisms
B16	Benthic bacteria/micro-organisms
B17	Phytobenthos
B18	Zoobenthos
B25	Birds
B26	Mammals & reptiles
B14	Pelagic fish
B19	Demersal fish
B20	Molluscs
B21	Crustaceans
B28	Acoustic reflection on marine organisms
B37	Taggings
B64	Gear research
B65	Exploratory fishing
B90	Other biological/fisheries measurements

MARINE GEOLOGY/GEOPHYSICS

G01	Dredge
G02	Grab
G03	Core - rock
G04	Core - soft bottom
G08	Bottom photography
G71	In-situ seafloor measurement/sampling
G72	Geophysical measurements made at depth
G73	Single-beam echosounding
G74	Multi-beam echosounding
G24	Long/short range side scan sonar
G75	Single channel seismic reflection
G76	Multichannel seismic reflection
G26	Seismic refraction
G27	Gravity measurements
G28	Magnetic measurements
G90	Other geological/geophysical measurements

Rute og stasjoner for Vendla 14.-28 juli

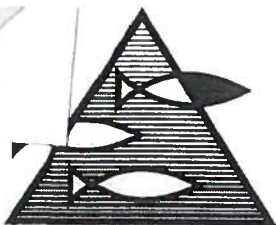
Kurskart:



Stasjoner:

Ref.nr.(kart)	latg	latm	long	lonm	ew		Stasjon	Serienr.
29	70	30	13	0	E		Vannprøve	31 37431
30	70	30	9	0	E	genetikk		32 37432
31	70	30	5	0	E	genetikk		33 37433
32	70	30	1	0	E	genetikk	Vannprøve	34 37434
33	70	30	3	0	W			35 37435
34	70	30	7	0	W	genetikk		36 37436
35	70	30	11	0	W	genetikk	Vannprøve	37 37437
36	70	30	13	0	W			38 37438
37	71	30	11	0	W		Vannprøve	39 37439
38	71	30	9	0	W	genetikk		40 37440
39	71	30	5	0	W	genetikk		41 37441
40	71	30	1	0	W			42 37442
41	71	30	3	0	E	genetikk		43 37443
42	71	30	7	0	E	genetikk	Vannprøve	44 37444
43	71	30	11	0	E			45 37445
44	71	30	15	0	E			46 37446
45	71	30	19	0	E		Vannprøve	47 37447
46	72	30	17	0	E	genetikk	Vannprøve	48 37448
47	72	30	13	0	E			49 37449
48	72	30	9	0	E			50 37450
49	72	30	5	0	E	genetikk	Vannprøve	51 37451
50	72	30	1	0	E	genetikk		52 37452
51	72	30	3	0	W			53 37453
52	72	30	7	0	W			54 37454
53	72	30	11	0	W		Vannprøve	55 37455
34 (b)	70	30	7	0	W			56 37456

Registrering av sjøpattedyr for havforskningsinstituttet



HAVFORSKNINGSINSTITUTTET
INSTITUTE OF MARINE RESEARCH

Registrert av (plattform/fartøy):

MS Vindla 2014 813

Adresse:

Email:

Fra dato:

Til dato:

27-14
28/7-14

DATO	TID	BREDE	LENGDE	ART	ANTALL	KOMMENTAR
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Eksempel:

05.07.2012	12:30	70 33N	20 25E	Vågehval	1	Trekker vestover
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Legg inn dine observasjoner her:

10/7-14	6:38	67 30N	002 54W	SPERMKVAL	1	LIGGER STILLE
10/7-14	7:05	67 30N	003 00W	SPERMKVAL	1	LIGGER STILLE
10/7-14	14:04	68° 09	004° 55 W	SPERMKVAL	1	ligger stille
11/7-14	16:20	69° 36'	003° 14 W	SPERMKVAL	4-5	JAKET I OMRÅDET.
11/7-14	16:20	69° 30'	005° 11 W	"	4	" " " " " " " "
12/7-14	09:40	69° 30'	003° 53 E	"	6-7	" " " " " " " "
13/7-14	10:13	69° 30'	014° 41 E	SPERMKVAL	1	Ligger stille
16/7-14	14:40	70° 30'	006° 16 W	Seihval	1	Ligg a pusler
16/7-14	16:50	70° 30'	001° 25 W	Spikkelhoopger	3	Jaket i området
17/7-14	03:20	70° 30'	004° 44 W	Vågehval	1	Slig på SØ
17/7-14	7:05	70° 31'	001° 20 W	Nald. kval	3	Trekke SØR ØST
18/7-14	08:45	71° 28'	010° 48 W	UKJENT	1	PUSLER I OVERFLATE
18/7-14	10:40	71° 30'	010° 04 W	UKJENT	1	Stor blåst (Finnhval 2)
18/7-14	14:22	71° 29'	008° 44 W	"	1	Stor blåst BÅST
19/7-14	10:30	71° 30'	000° 03 W	Spikkelhoopger	1	Full fart på Nord
19/7-14	18:07	71° 30'	003° 20 W	UKJENT	3	POSISJON I OVERFLATE
19/7-14	19:00	71° 30'	003° 30 W	Spikkelhoopger	ca 10	Jaket i området
19/7-14	22:05	71° 30'	005° 09 W	Vågehval	1	Jaket på SØ
20/7-14	14:34	71° 29'	012° 06 W	SPERMKVAL	1	" " " " " " " "
21/7-14	12:00	72° 09'	017° 41 W	VÅGEHVAL	2	TREKKER SØW
21/7-14	20:25	72° 29'	014° 21 E	GRINDHVAL	4	
21/7-14	20:30	72° 29'	014° 21 E	UKJENT	1	
21/7-14	06:00	72° 29'	010° 46 W	Killer whale	1	
21/7-14	06:00	72° 29'	010° 46 W	UKJENT	1	
24/7	14:34	71° 23'	09° 19 W	"	"	2 TEST SHODDIE
24/7	20:59	70° 51 N	09° 06 W	Vågehval	2	Mellom båten og Jan Mayen
25/7	12:02	70° 30 N	007° 00 W	FINNHVAL	1	
26/7	11:00	70° 06'	003° 58 E	SEIKVAL	2	ROLLE I HAVFLATE
26/7	10:36	70° 02 N	006° 41 E	KVAL	1	" " " " " " " "
27/7	11:30	69° 42 N	016° 03 E	Vågehval	1	BRUNN

For å legge inn flere observasjoner, vennligst kopier og lim inn eksisterende linjer for å beholde riktig format

Sendes: siri@imr.no eller Havforskningsinstituttet, Faggruppe Sjøpattedyr v/Siri Hartvedt, Pb 1870 Nordnes, 5817 Bergen

