

Results INFORM (April 2021, BSH)

General

205 790 distinct objects in total

5234 objects with filled INFORM attribute

belonging to **72** different object classes

The following tables show these 72 object classes and the number of objects within each class, that have entries in INFORM.

<i>Alphabetical order</i>	
ACHARE	17
ADMARE	156
BCNCAR	40
BCNLAT	1
BCNSPP	41
BERTHS	2
BOYCAR	389
BOYISD	7
BOYLAT	1398
BOYSAW	78
BOYSPP	313
BRIDGE	10
BUAARE	1
BUISGL	49
CANALS	2
CBLSUB	244
COALNE	24
CRANES	8
CTNARE	32
DEPARE	5
DISMAR	717
DMPGRD	4
DRGARE	2
DRYDOC	1
EXEZNE	1
FERYRT	9
FNCLNE	2
FOGSIG	1
GATCON	23
HRBFAC	18
ICEARE	26
LAKARE	14
LIGHTS	5
LNDMRK	14
LNDRGN	1
M_SDAT	4
MARCUL	2

<i>Frequency ranking</i>	
BOYLAT	1398
DISMAR	717
BOYCAR	389
BOYSPP	313
OBSTRN	265
WRECKS	258
CBLSUB	244
RDOSTA	175
ADMARE	156
SLCONS	154
TOPMAR	107
TSSBND	100
TS_PAD	96
BOYSAW	78
SEAARE	76
SISTAT	54
MORFAC	51
BUISGL	49
RESARE	47
BCNSPP	41
PILBOP	41
BCNCAR	40
OFSPLF	34
CTNARE	32
ICEARE	26
COALNE	24
GATCON	23
HRBFAC	18
ACHARE	17
TSSLPT	16
LAKARE	14
LNDMRK	14
OSPARE	13
ROADWY	11
BRIDGE	10
NAVLNE	10
FERYRT	9

MIPARE	7
MORFAC	51
NAVLNE	10
OBSTRN	265
OFSPFL	34
OSPARE	13
PILBOP	41
PILPNT	5
PIPSOL	6
PONTON	1
PRDARE	5
RAILWY	1
RDOCAL	5
RDOSTA	175
RECTRC	2
RESARE	47
ROADWY	11
SBDARE	4
SEAARE	76
SILTNK	6
SISTAT	54
SLCONS	154
SLOTOP	1
TESARE	4
TIDEWY	1
TOPMAR	107
TS_PAD	96
TSELNE	5
TSEZNE	9
TSSBND	100
TSSLPT	16
UWTROC	3
WRECKS	258

TSEZNE	9
CRANES	8
BOYISD	7
MIPARE	7
PIPSOL	6
SILTNK	6
DEPARE	5
LIGHTS	5
PILPNT	5
PRDARE	5
RDOCAL	5
TSELNE	5
DMPGRD	4
M_SDAT	4
SBDARE	4
TESARE	4
UWTROC	3
BERTHS	2
CANALS	2
DRGARE	2
FNCLNE	2
MARCUL	2
RECTRC	2
BCNLAT	1
BUAARE	1
DRYDOC	1
EXEZNE	1
FOGSIG	1
LNDRGN	1
PONTON	1
RAILWY	1
SLOTOP	1
TIDEWY	1

TOP10

Due to time constraints only the 10 most affected object classes were analysed in detail so far.

General questions for several object classes:

- Many INFORM entries contain information on generalisation (e.g. ,2 notice marks'). Is there a more elegant way to encode this?
- If INFORM is not used to populate new attributes (according to DCEG), will an additional information type be automatically created?

BOYLAT + BOYCAR + BOYSPP

- lots of different versions of „withdrawn in winter season“, „replaced in winter season“ (unlit, no topmark or both), „no replacement if adrift“
- most of those can be solved by using PEREND, PERSTA and STATUS=5 (periodic/intermittent) for either TOPMAR and/or LIGHTS or BOY... itself -> rather complex/cumbersome
- Is there an easy way to encode seasonal buoyage?
- Problem 1: simple replacement of buoy with ice buoy (without TOPMAR or LIGHTS involved) -> How to encode the replacement? 2 separate BOY... at the same position with STATUS=5?
- Problem 2: „no replacement if adrift“ should translate into a Nautical Information Type, but DCEG indicates that entries in INFORM are expected to contain information on the shape of TOPMAR (which should be encoded in the TOPSHP attribute of the related TOPMAR object). How to encode this kind of information without using INFORM?
- Problem 3: „risk of ice“ -> How to encode this? It is not a fixed time period like ‚winter season‘.

DISMAR

- INFORM is expected to contain data for new attribute ‚measured distance value‘ -> no changes needed

OBSTRN + WRECKS

- Problem: How to indicate ‚shoaled‘ (which is the most frequent entry in our data set)? -> This cannot be encoded using EXP SOU.

CBLSUB

- INFORM mainly contains information on the type of current for power lines (CATCBL = 1). -> According to DCEG, local magnetic anomalies should be added for direct current cables because they may cause magnetic compass deflections.

RDOSTA

- Redundant information to CATROS -> no problems

ADMARE

- Nautical Information Type will be necessary. Automatic transfer from INFORM to new information type attribute (information -> text)?

SLCONS

- many cases of specifying STATUS = 6 (reserved)
- some entries concerning depth directly at the SLCONS
- most frequent entry: ‚shoaled‘ -> see OBSTRN + WRECKS
- Problem: Very different kinds of entries that should not simply translate into nautical information type. -> Probably only specification of STATUS = 6 (reserved) should be put into nautical information type.