ELECTRONIC CHART CENTRE

Overlap Checker & ENC Coverage

User Manual

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Contents

Introduction 3
Access to the VPN – Check Overlap Candidates 3
Coverage 14

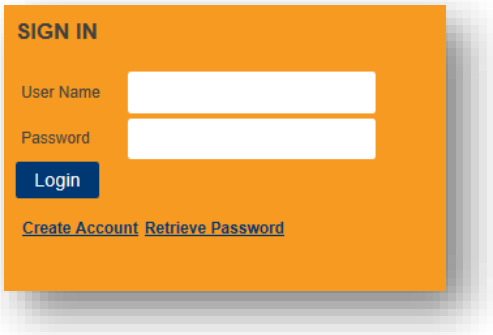
Introduction

The Overlap Checker gives you the possibility to check for ENC data overlap between all ENC cells in the same usage band in the PRIMAR database. You can create report on individual ENC cells and also on country level.
If you need full overview of the coverage of all available cells in each usage band, that can be found in the "Coverage" menu.

PRIMAR recommend the users to use one of the following internet browsers; Internet Explorer 9+, Google Chrome, Safari or Mozilla Firefox.

Access to the VPN – Check Overlap Candidates

The "Check Overlap Candidates" tool is available via the VPN which is available from the PRIMAR web site: www.primar.org . Direct address is:
https://primar.ecc.no/primar/ This address leads you to the Maritime Digital Channel.



Sign in menu

The VPN uses a secure ID system for secure login to its services. PRIMAR will provide you with a Username and password to access the services. When login to the PRIMAR services for the first time you must use the user name and the password provided. It is recommended that you change your password after the first login. The password can be changed by selecting the tab My Page – Edit My Profile.

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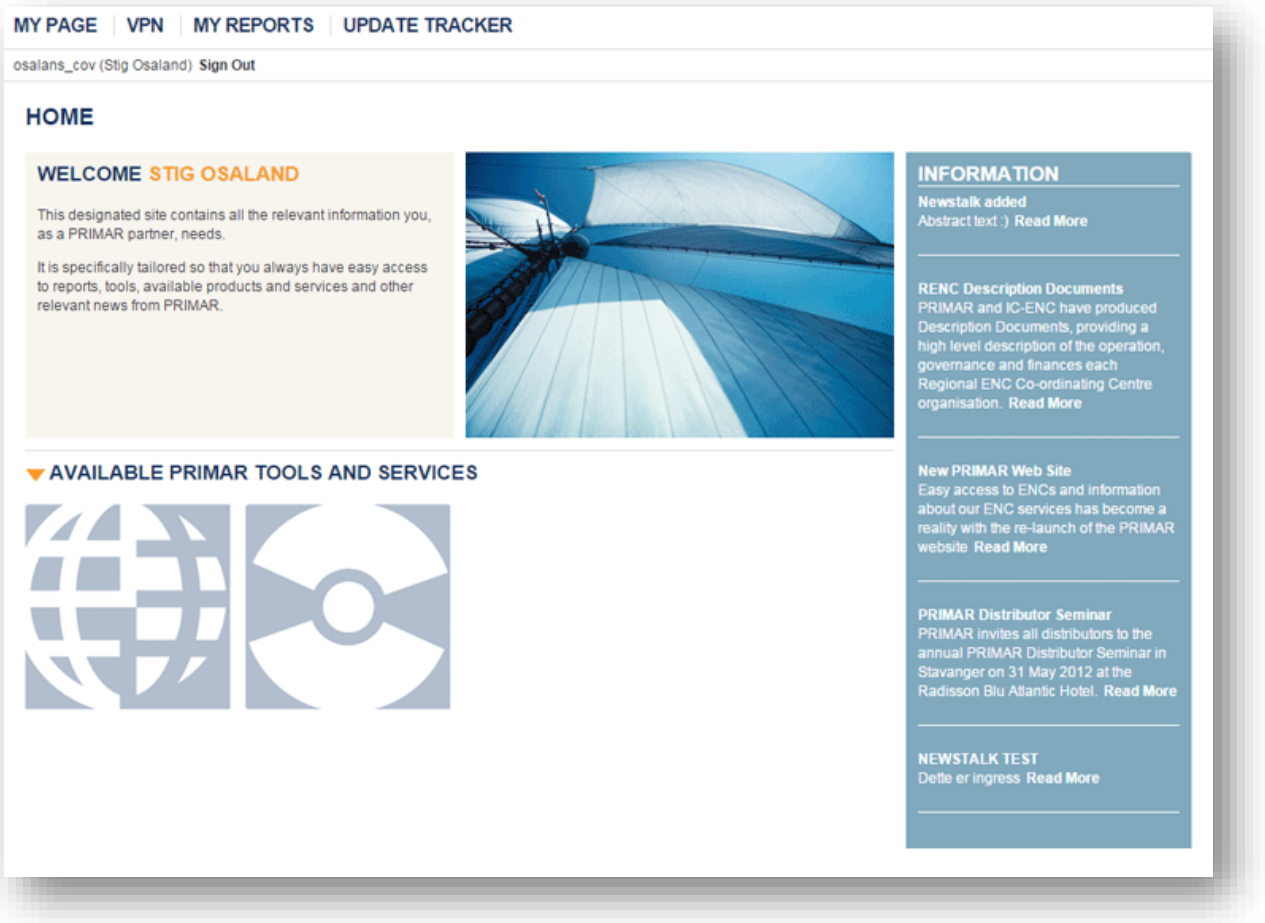

VPN main page

In the Data Management menu under the VPN tag you will get access to “Check Overlap Candidates”. Click on “Check Overlap Candidates” and you will get access to search for ENC data overlap for all data in the PRIMAR database. Choose the country or RHC that you would like to check by clicking in the search field and then click “Find Overlaps”. For the RHC the list is created based on the member nations. All discovered overlap between nations will be listed.

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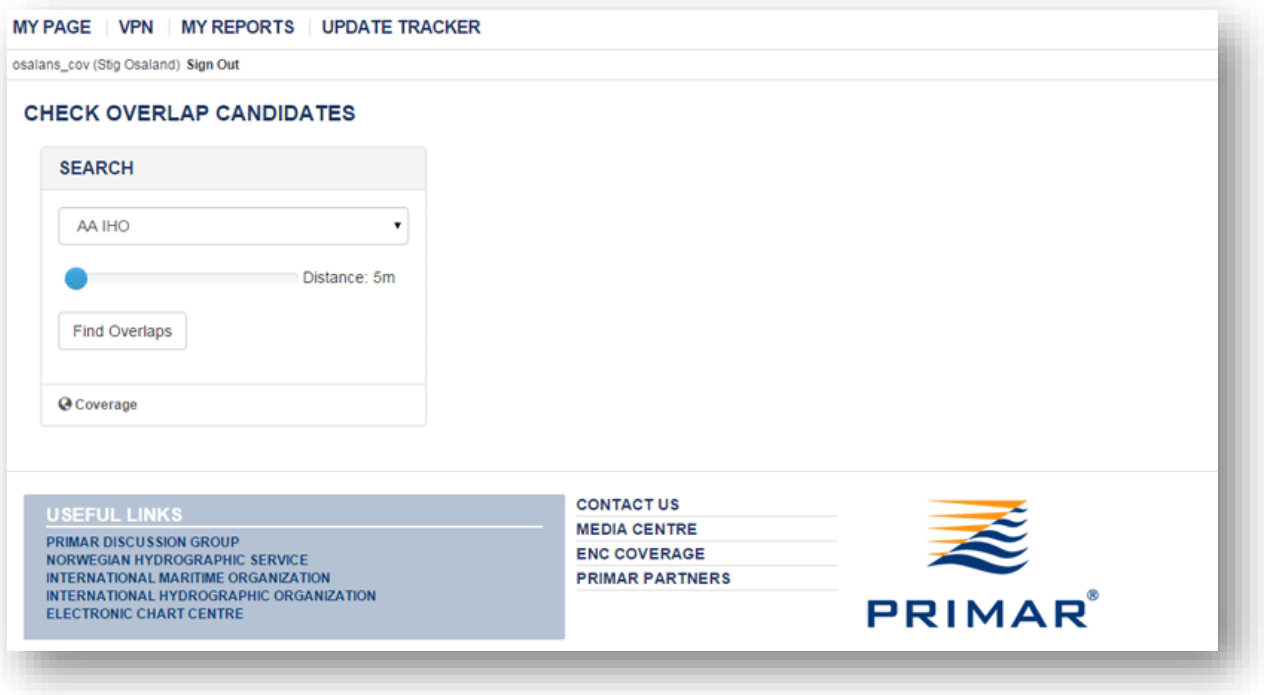

Check Overlap Candidates

By clicking on the “Report” icon in the upper right corner you will get an option to save an overlap report for the selected country in PDF, CSV or XLSX format.

Example of an overlap Report:

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Overlap Report: Norway Date: 09.03.2018

Nation	RENC	ENC	UB	Edtn	Updt	Scale	Overlap(km²)	Comments
Norway	PRIMAR	NO1A3000	1	12	3	1500000	3.540816	
	IC-ENC	DK1GEAST		2	0	3500000		
Norway	PRIMAR	NO1A3000	1	12	3	1500000	3.114041	
	IC-ENC	DK1GNORT		2	0	3500000		
Norway	PRIMAR	NO1A3000	1	12	3	1500000	8.014815	
	IC-ENC	DK1NORSO		27	2	1500000		
Norway	PRIMAR	NO2A0404	2	3	4	350000	(0.000001-)	
	IC-ENC	DK2NORSO		46	12	350000		
Norway	PRIMAR	NO2A0404	2	3	4	350000	(0.000001-)	
	IC-ENC	GB2C2182		16	1	700000		
Norway	PRIMAR	NO2A2852	2	3	28	700000	175.159716	
	PRIMAR	RU2OOKI0		1	5	700000		
Norway	PRIMAR	NO2A3252	2	3	13	700000	1.405210	
	PRIMAR	RU2OOKI0		1	5	700000		
Norway	PRIMAR	NO2A3268	2	2	1	700000	2.373949	
	PRIMAR	RU2OOKI0		1	5	700000		
Norway	PRIMAR	NO2A3668	2	2	1	700000	(0.000001-)	
	PRIMAR	RU2OOKI0		1	5	700000		
Norway	PRIMAR	NO2A4068	2	2	1	700000	0.668136	
	PRIMAR	RU2PGK70		1	0	700000		
Norway	PRIMAR	NO2A4468	2	2	0	700000	0.832822	
	PRIMAR	RU2PGK70		1	0	700000		
Norway	PRIMAR	NO2B0400	2	3	11	350000	(0.000001-)	
	IC-ENC	GB2C2182		16	1	700000		
Norway	PRIMAR	NO2B0412	2	9	3	350000	(0.000001-)	
	IC-ENC	DK2NORSO		46	12	350000		
Norway	PRIMAR	NO2B0800	2	2	16	350000	0.144035	
	IC-ENC	GB2C2182		16	1	700000		
Norway	PRIMAR	NO3A0404	3	1	5	180000	0.763114	
	IC-ENC	GB300272		6	0	180000		
Norway	PRIMAR	NO3B0400	3	2	11	180000	0.037493	
	IC-ENC	GB300278		6	3	180000		

If you want to check one of the reported cells further you have to click on the ENC cell name and you will then have possibility to measure the overlap, highlight the overlap and also to print a pdf file report of the overlap.

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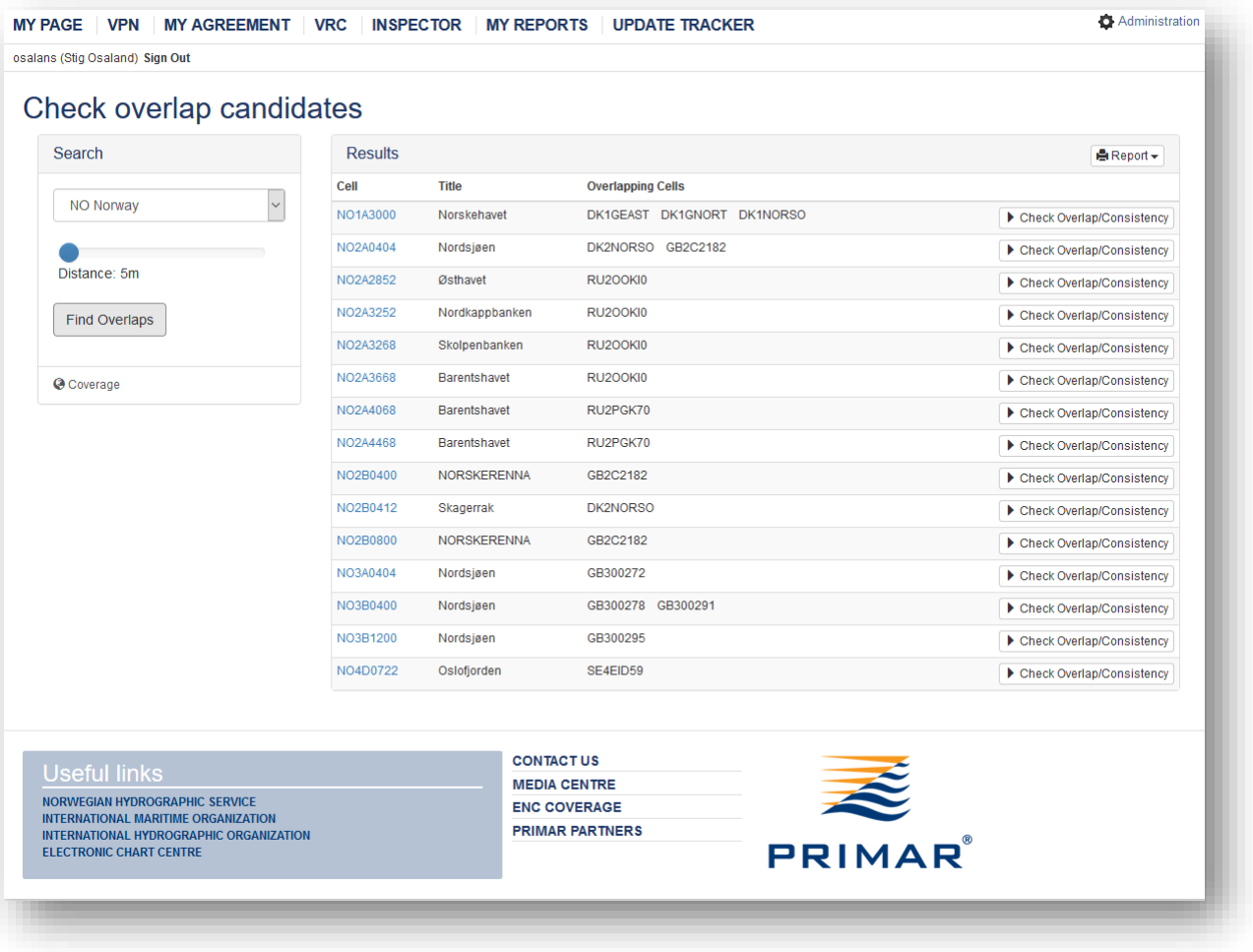

Overlap list for chosen country

Functionality for distance measuring, highlighting, printing and zoom in/out is available in the upper left corner of the chart view. To pan the chart uses drag and drop by clicking the left mouse button.

Distance measuring: Click on the “Distance” icon left click mouse button on start point, move cursor to end point and left click mouse button once more. The distance between the two points is being measured. To “remove” measurement click on the “X” next to the measured distance.

Pan function: click somewhere in the chart and drag to wanted position. The left/right/up/down arrows on the keyboard can also be used to navigate the chart.
Zoom function: The +/- button can be used to zoom in/out, also the mouse scroll button can be used.

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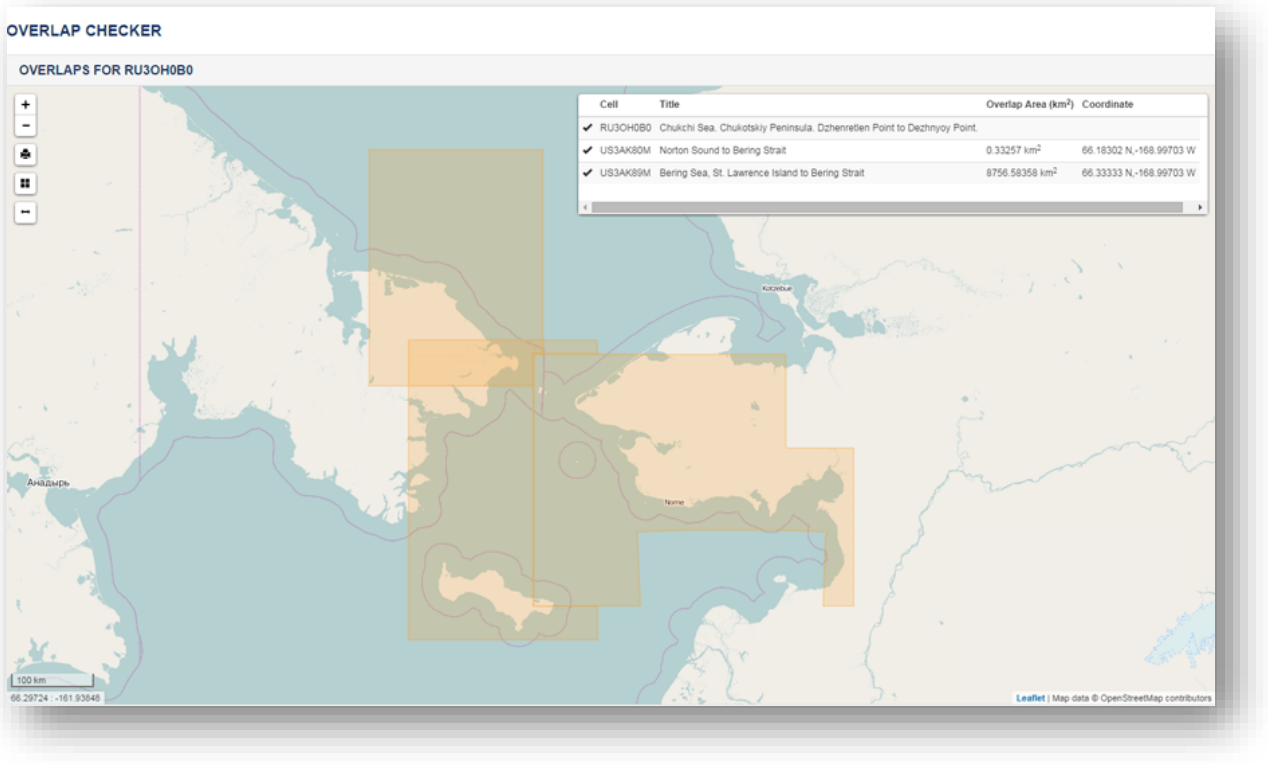

Check Overlap

Highlight Overlaps: By clicking on the button Highlight overlaps the overlapping coverage will be marked in the chart view. In the list of overlapping cells, the column "Overlap Area (km2)" show a calculated size of overlapping areas.

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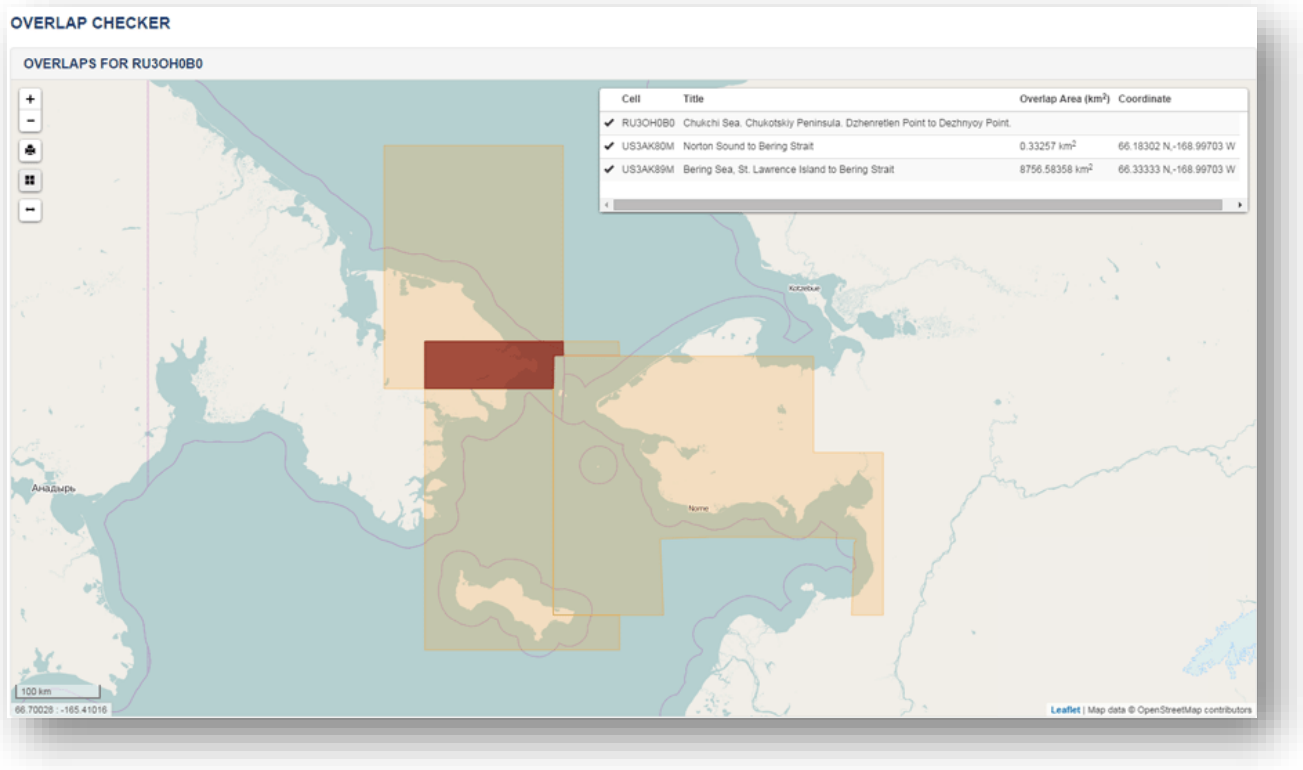
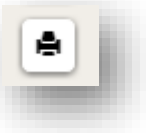
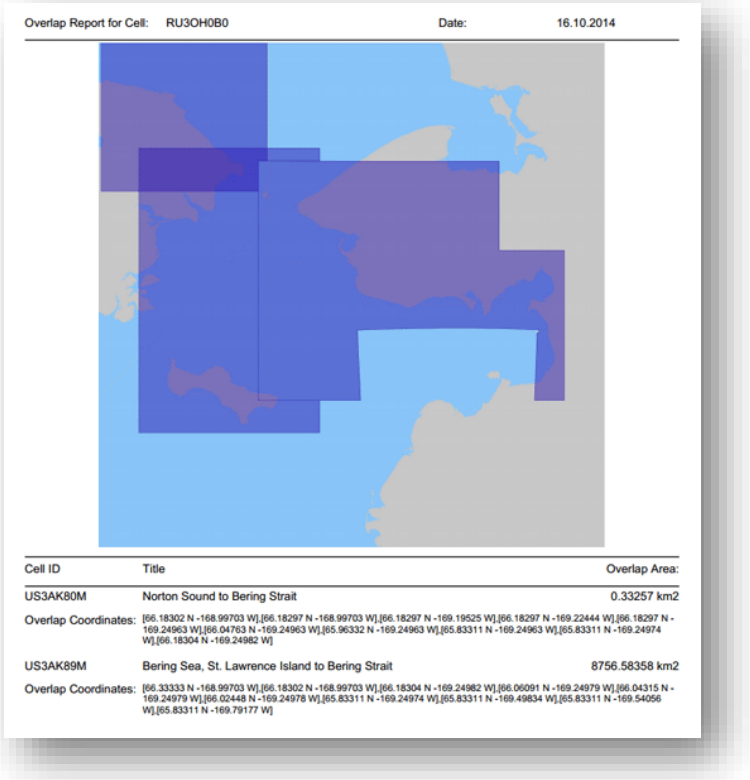


Show Overlap



Printable version: There is a possibility to create a PDF-file by clicking on the Print icon. The report contains a graphical image of the overlapping ENCs, the calculated size and coordinates references of overlapping areas.



Overlap Report for Cell: RU3OH0B0 Date: 16.10.2014

Cell ID	Title	Overlap Area:
US3AK80M	Norton Sound to Bering Strait	0.33257 km2
Overlap Coordinates:	[66.18302 N -168.99703 W],[66.18297 N -168.99703 W],[66.18297 N -169.19525 W],[66.18297 N -169.22444 W],[66.18297 N -169.24963 W],[66.04763 N -169.24963 W],[65.96332 N -169.24963 W],[65.83311 N -169.24963 W],[65.83311 N -169.24974 W],[66.18304 N -169.24982 W]	
US3AK89M	Bering Sea, St. Lawrence Island to Bering Strait	8756.58358 km2
Overlap Coordinates:	[66.33333 N -168.99703 W],[66.18302 N -168.99703 W],[66.18304 N -169.24982 W],[66.06091 N -169.24979 W],[66.04315 N -169.24979 W],[66.02448 N -169.24978 W],[65.83311 N -169.24974 W],[65.83311 N -169.49834 W],[65.83311 N -169.54056 W],[65.83311 N -169.79177 W]	

PDF report

If you would like to check the overlap and be able to see details of the ENCs in the border area you have to click on “Check Overlap/Consistency” on the righthand side.

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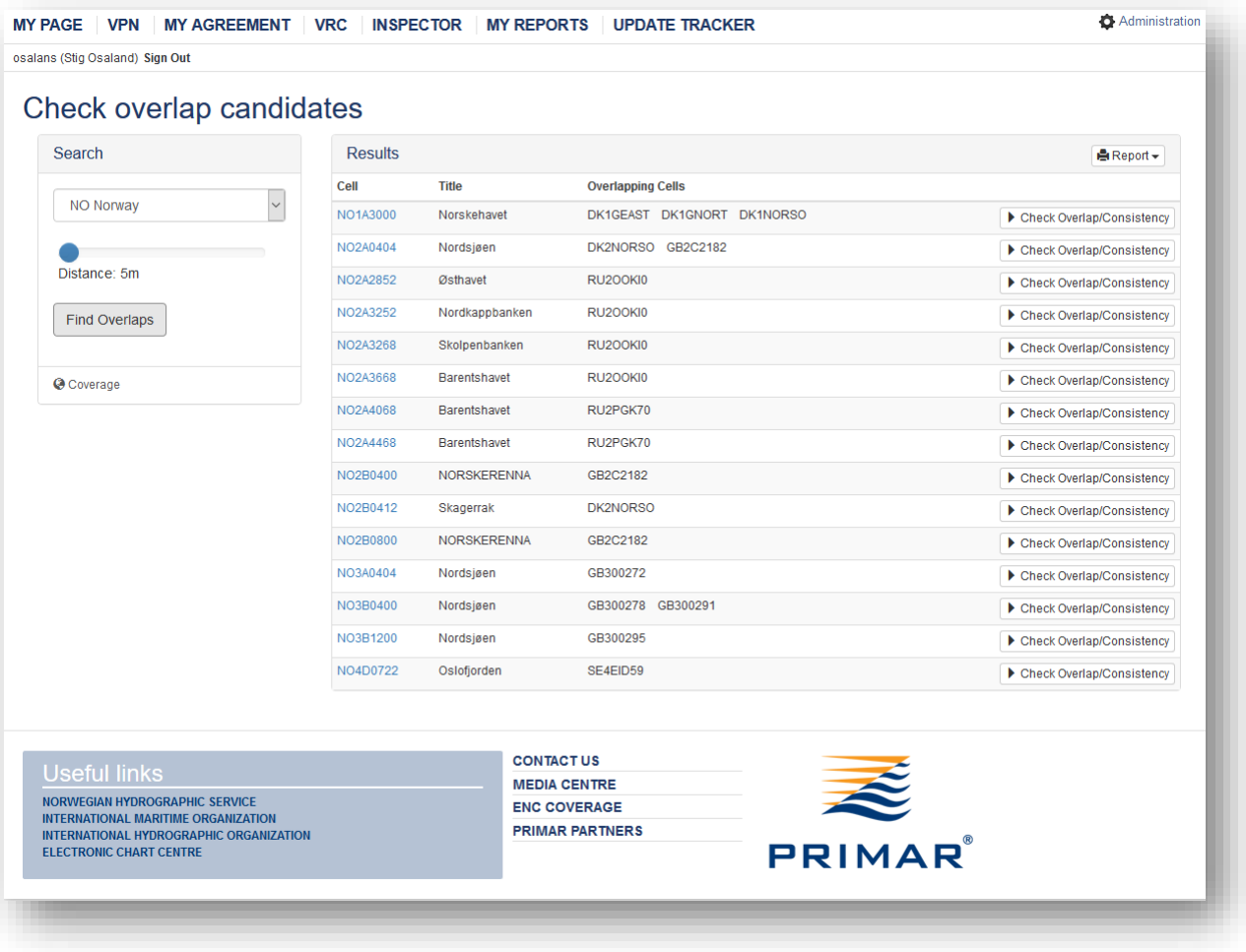

You then have the possibility to check the overlap showing the content of the ENCs in the overlapping areas. There is also a style menu where you can choose different presentation of the ENC.

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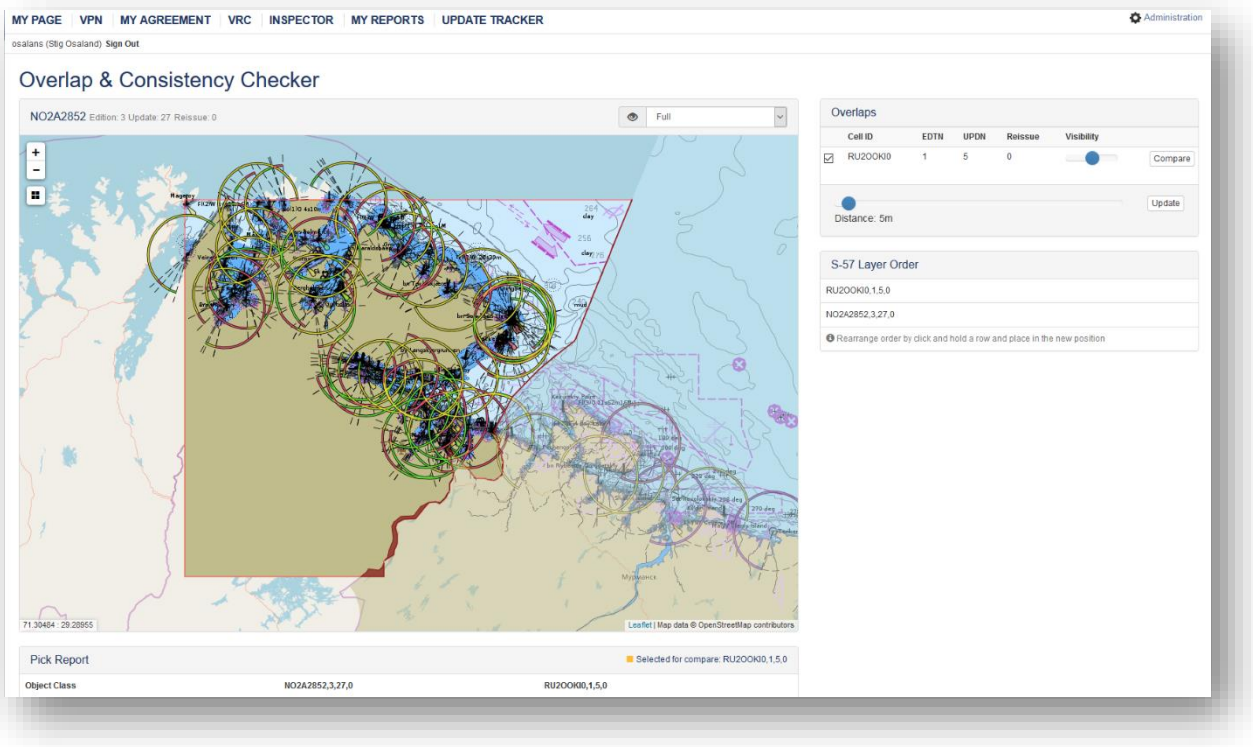

Pick a cell from the overlap list on the righthand side. To be able to compare objects/attributes in 2 ENC cells, click on the compare button and when you then click in the ENC cells the objects/attributes for the 2 ENC cells will be listed in the pick report.

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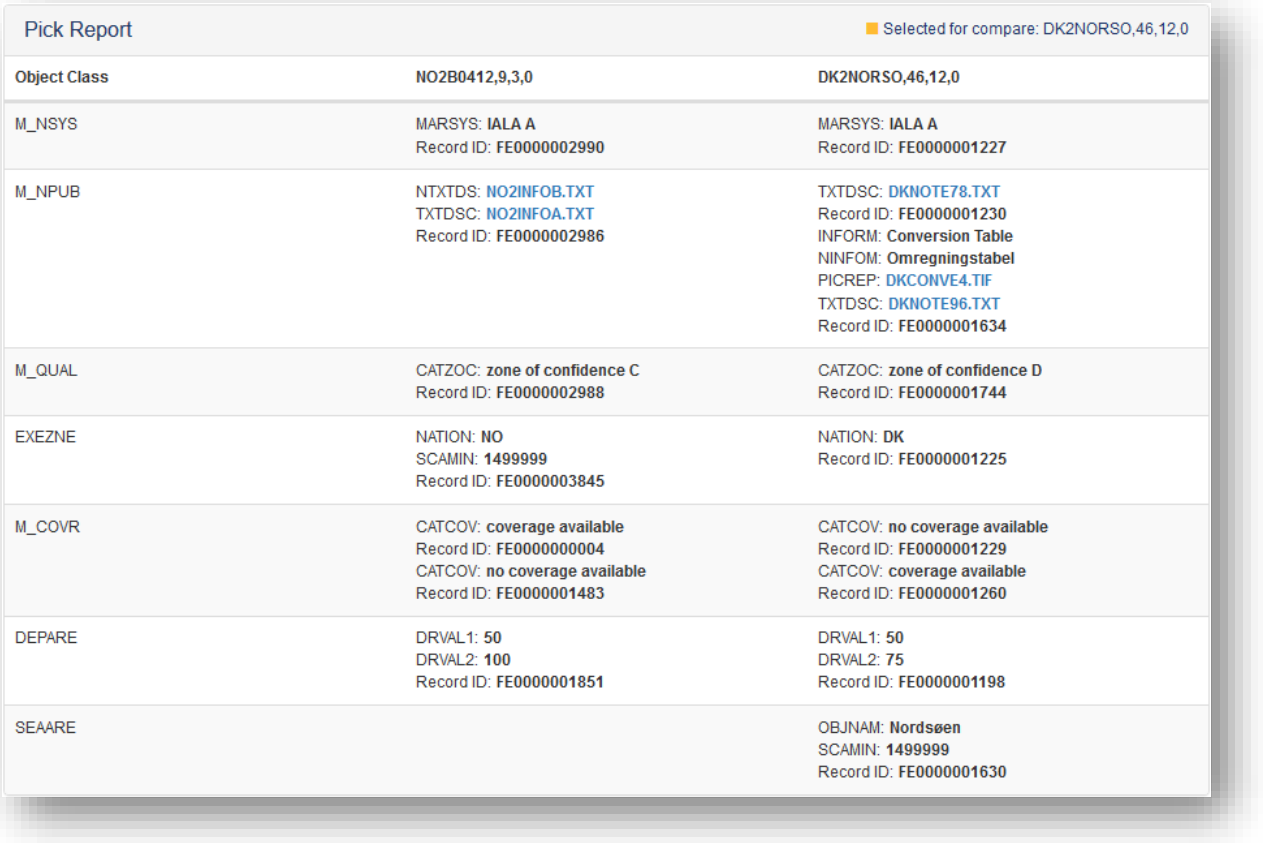

Pick Report — Selected for compare: DK2NORSO,46,12,0

Object Class	NO2B0412,9,3,0	DK2NORSO,46,12,0
M_NSYS	MARSYS: **IALA A** Record ID: **FE0000002990**	MARSYS: **IALA A** Record ID: **FE0000001227**
M_NPUB	NTXTDS: NO2INFOB.TXT TXTDSC: NO2INFOA.TXT Record ID: **FE0000002986**	TXTDSC: DKNOTE78.TXT Record ID: **FE0000001230** INFORM: **Conversion Table** NINFOM: **Omregningstabel** PICREP: DKCONVE4.TIF TXTDSC: DKNOTE96.TXT Record ID: **FE0000001634**
M_QUAL	CATZOC: **zone of confidence C** Record ID: **FE0000002988**	CATZOC: **zone of confidence D** Record ID: **FE0000001744**
EXEZNE	NATION: **NO** SCAMIN: **1499999** Record ID: **FE0000003845**	NATION: **DK** Record ID: **FE0000001225**
M_COVR	CATCOV: **coverage available** Record ID: **FE0000000004** CATCOV: **no coverage available** Record ID: **FE0000001483**	CATCOV: **no coverage available** Record ID: **FE0000001229** CATCOV: **coverage available** Record ID: **FE0000001260**
DEPARE	DRVAL1: **50** DRVAL2: **100** Record ID: **FE0000001851**	DRVAL1: **50** DRVAL2: **75** Record ID: **FE0000001198**
SEAARE		OBJNAM: **Nordsøen** SCAMIN: **1499999** Record ID: **FE0000001630**

You can adjust the visibility by moving the visibility bar.

Zoom function: The +/- button can be used to zoom in/out, also the mouse scroll button can be used.

Highlight Overlaps: By clicking on the button Highlight overlaps the overlapping coverage will be marked in the chart view.

Distance measuring: Click on the “Distance” icon left click mouse button on start point, move cursor to end point and left click mouse button once more. The distance between the two points is being measured. To “remove” measurement click on the “X” next to the measured distance.

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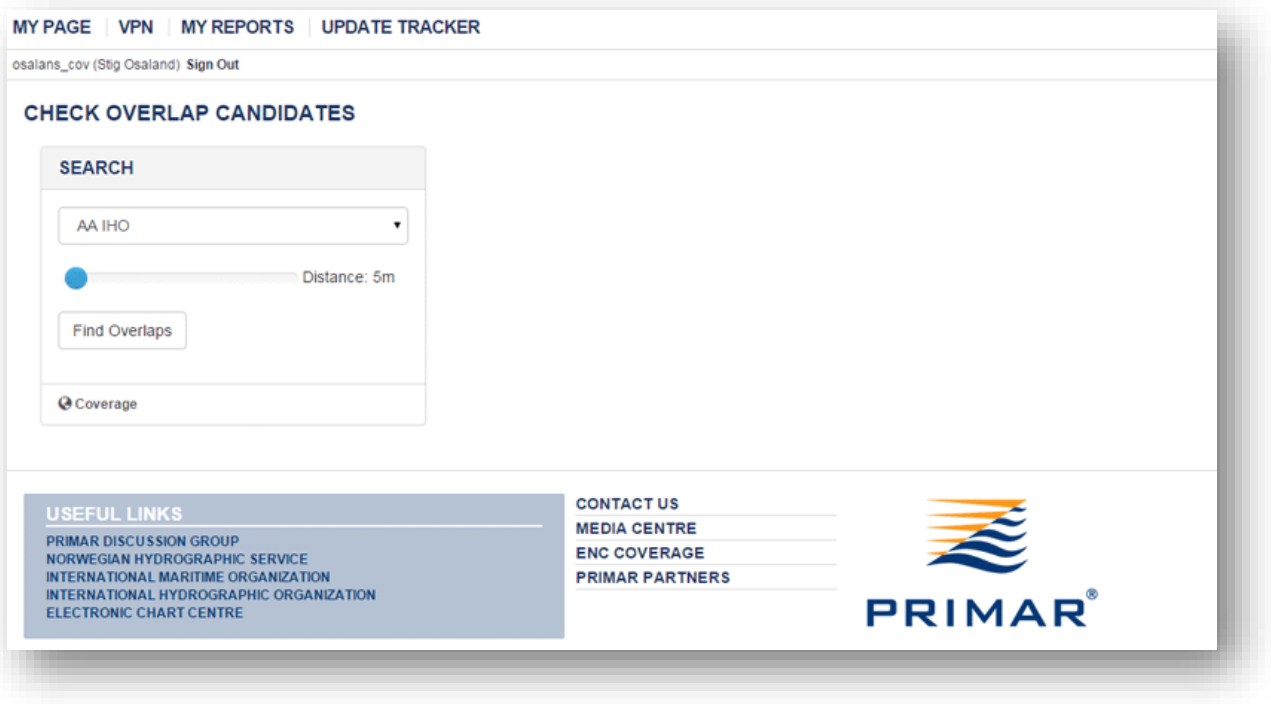
Coverage

In the main menu you have the coverage option under VPN tag. If you click on the "coverage" button you will get access to view the coverage of all ENC cells in the PRIMAR database. In released view you will see all ENCs available from PRIMAR, and in the pre-released view you will see all the ENC cells that are in the validation process and soon will be released.



This chart view shows the coverage for all data available depending on the options chosen. It is possible to zoom in/out and pane around using +/- or drag and drop by using the left mouse button.

The Prerelease Layer shows the coverage for all ENCs in the pre-released database, this option is default. To activate all ENCs in the released database click on Release layer and the relevant usage band then the chart view shows coverage for all ENCs available in the PRIMAR database. It is possible to turn the usage band on and off by clicking in the "boxes".

If you click on cells available in the released/prerelease database the cell names and relevant cell information will pop up. Title is not available for cells that are not in the service yet.

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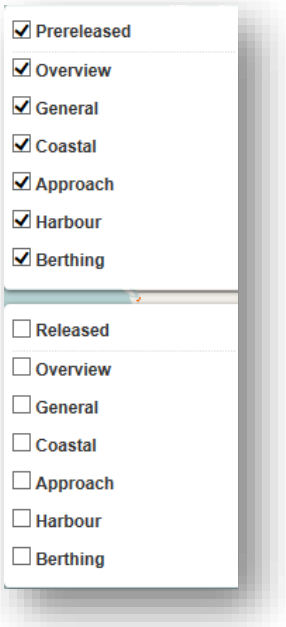
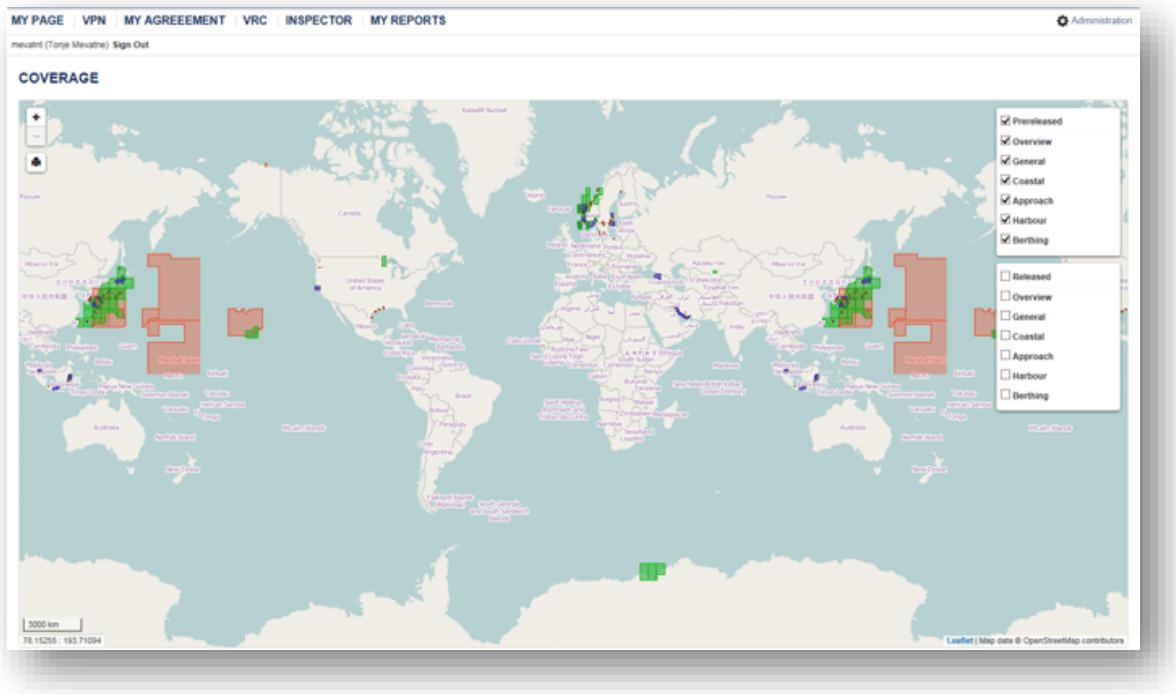


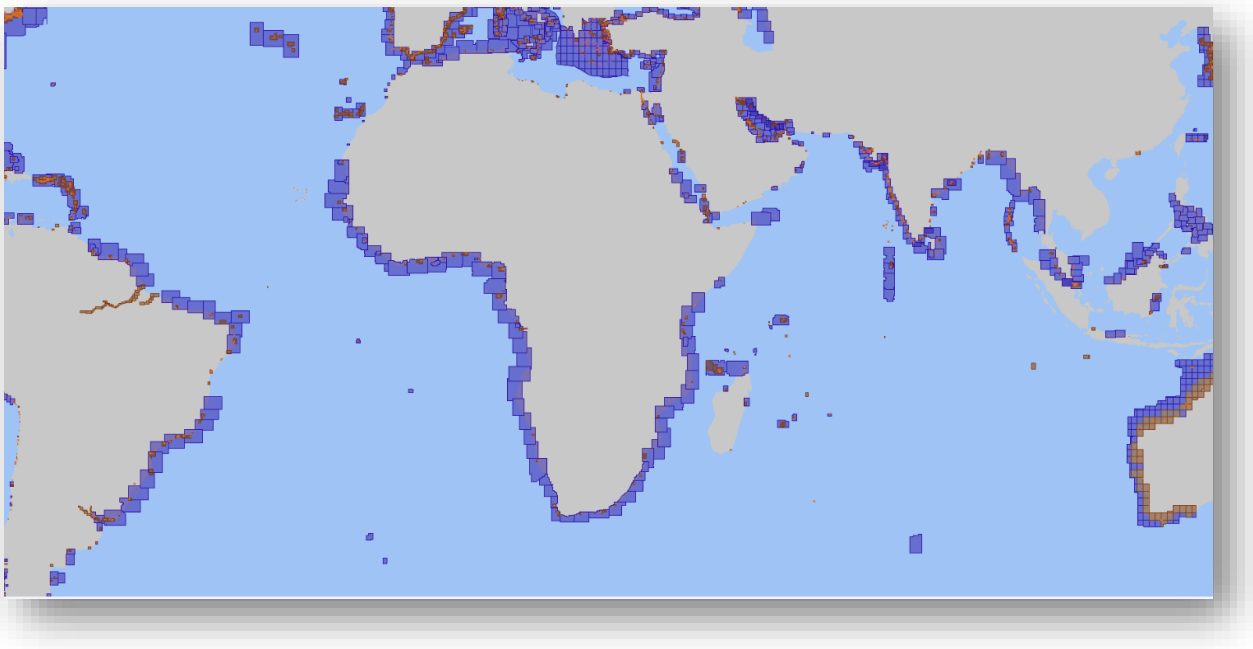


Coverage overview

If you would like to get more information about a cell, you can click on the ENC cell in the chart view. You will then get the cell name, edition and update number and title of the cell information in the pick report.

Pick report information

If you need to print from the coverage view, that can be done by creating a png file by clicking on the print icon in the upper left corner.



Print of coastal and approach coverage

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