



HGPSC Update USCHC46

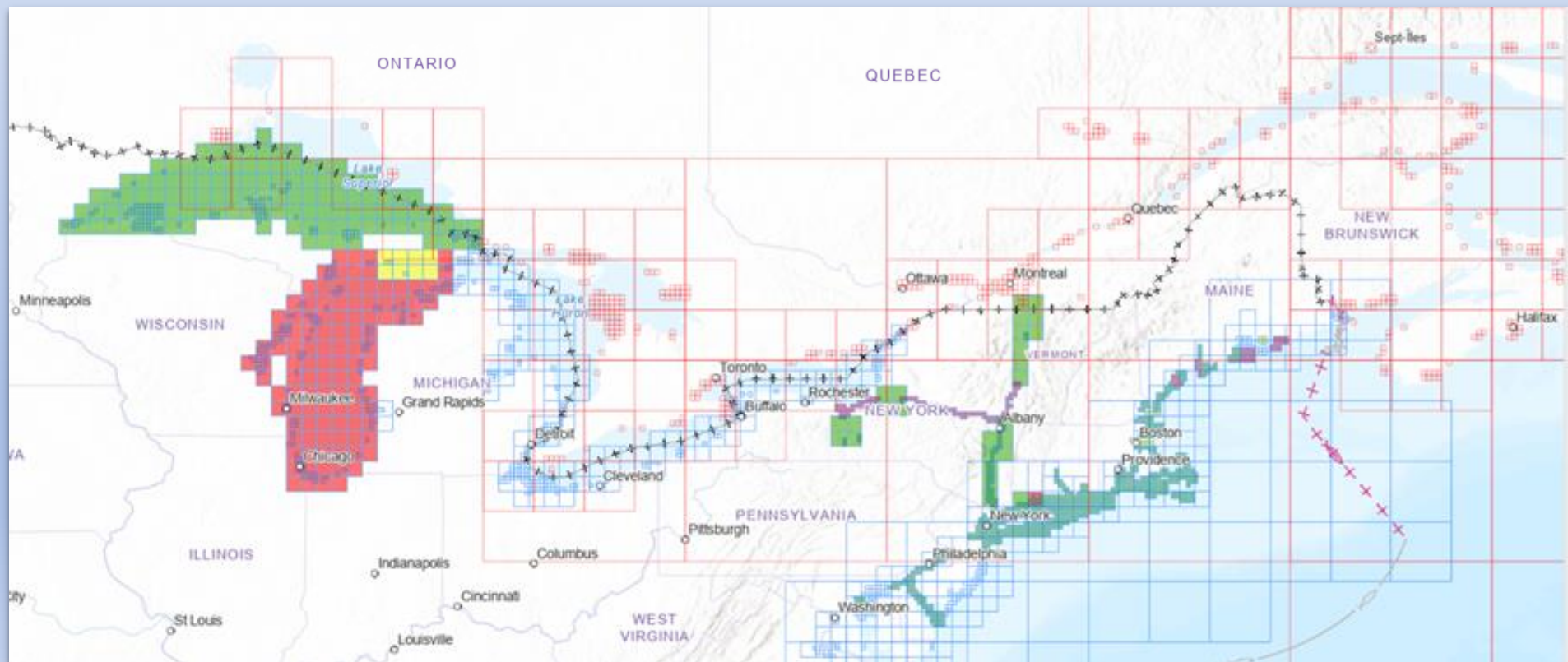
Co-chairs: Christie Ence (NOAA) & Laura Colombe (CHS)



IHO

International
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Organization

The Focus of this year has been setting up regional, bilateral meetings to discuss transboundary topics as each Hydrographic Office moves its ENC's to a gridded schema.



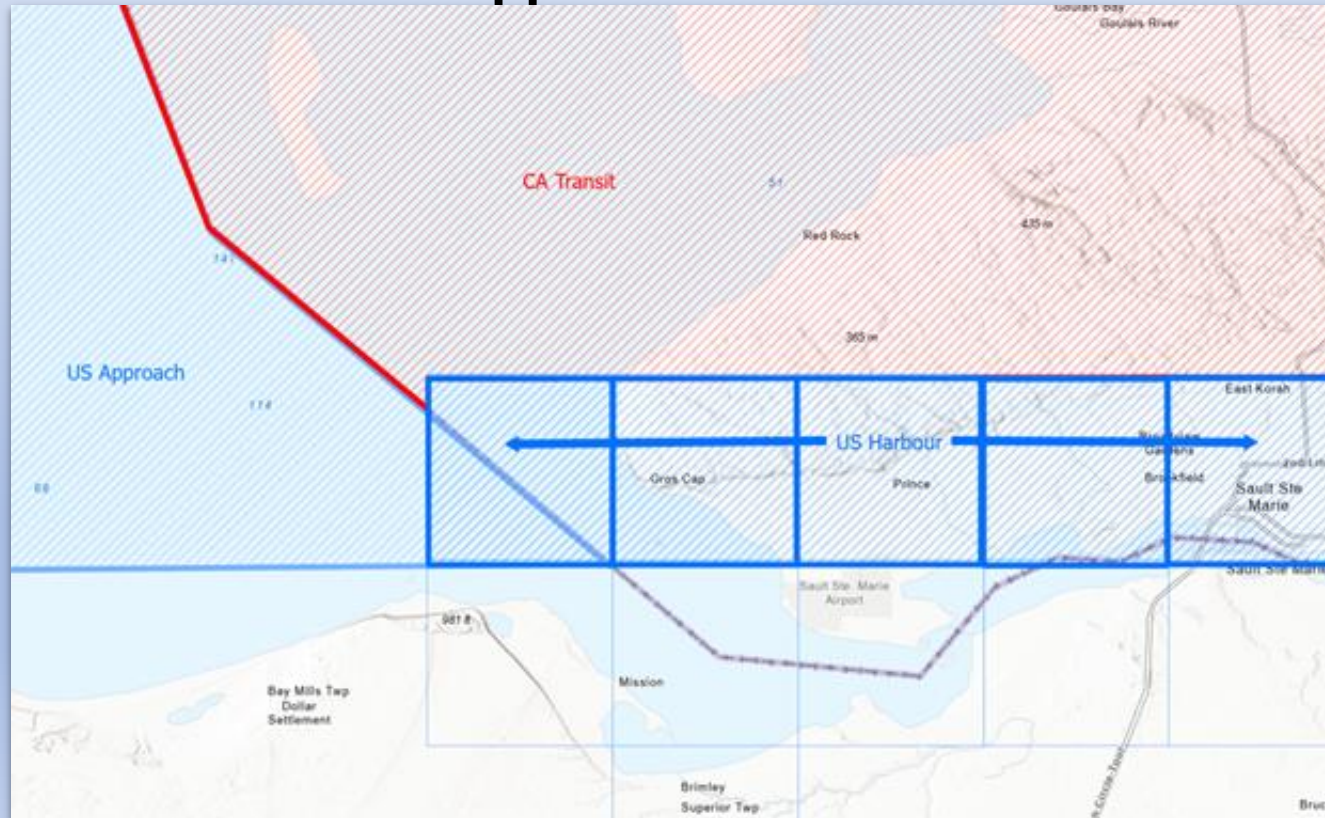


CHS & NOAA's Great Lakes offices continue to meet monthly.

- Discuss areas where offices are creating ENCs on the grid.
- Starting conversation about low water datum and IGLD updates and the effect on navigational products.
- Share where each office will be surveying within the Great Lakes.
- Discuss and action data sharing as required.

- Discuss areas where offices are creating ENC's on the grid.

Sault Ste. Marie approaches:



Transition between single-agency solution (United States) and CATCOV solution offshore.

Canada's transit scale CA448HVA (1:90,000) is cut at the northern boundary of the US Harbour-scale charts.

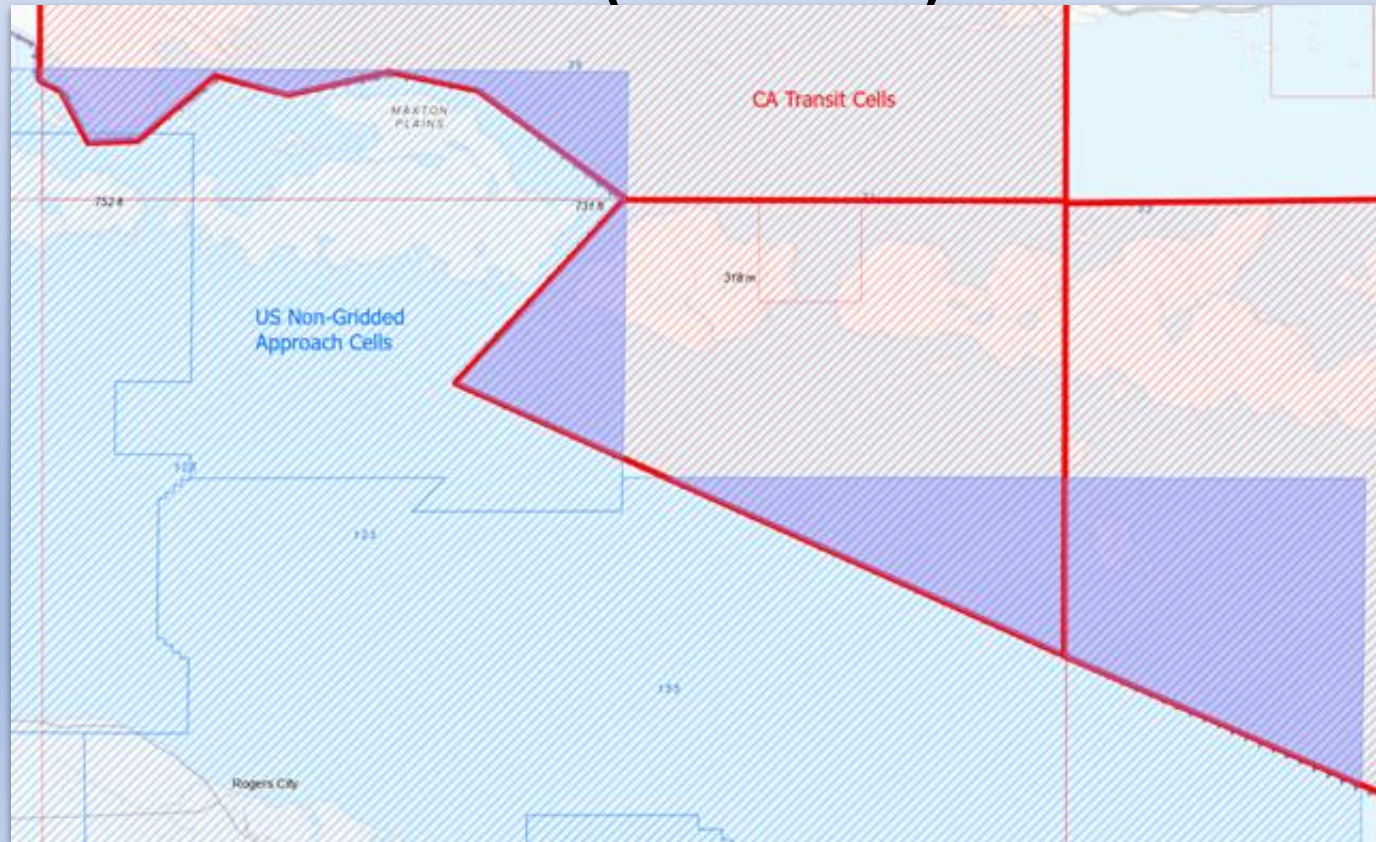
The US Approach-scale will all be cut at the boundary.



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➤ Discuss areas where offices are creating ENCs on the grid.

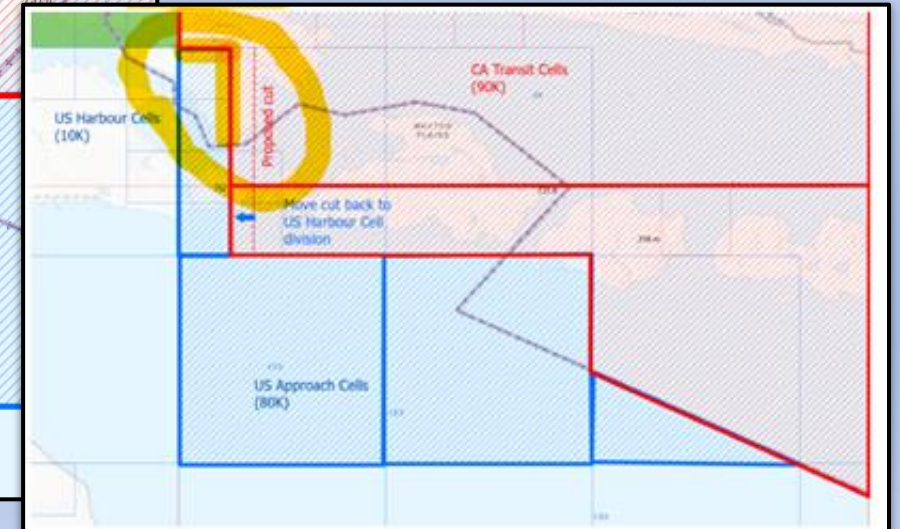
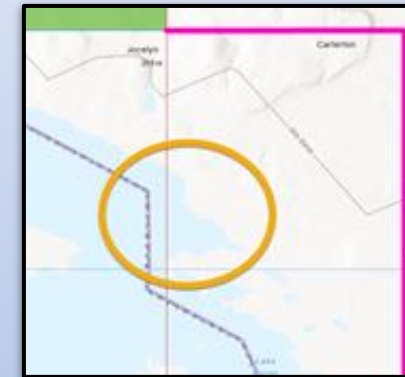
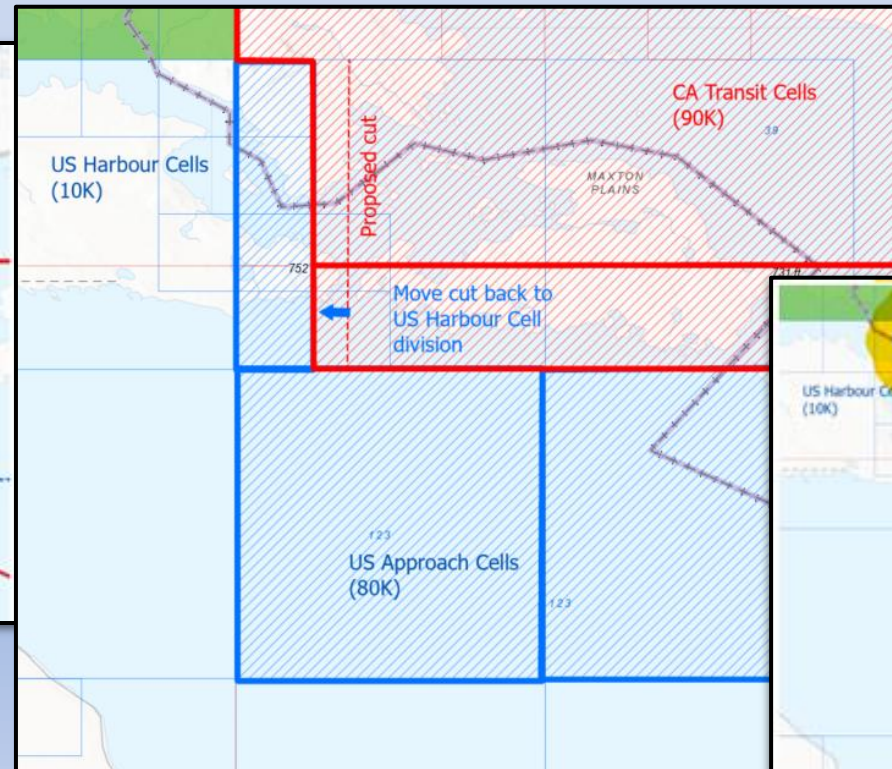
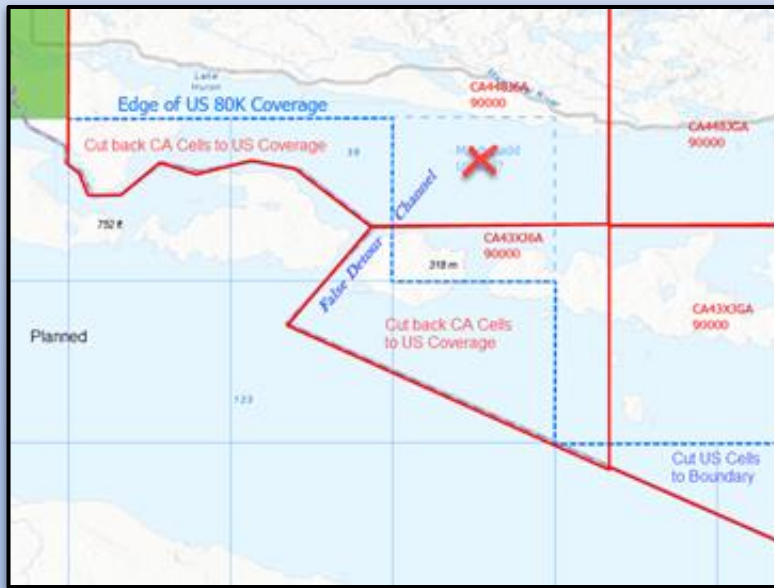
False Detour Channel (Lake Huron):



United States proposes a
single-agency solution (US)
using gridded rescheme.

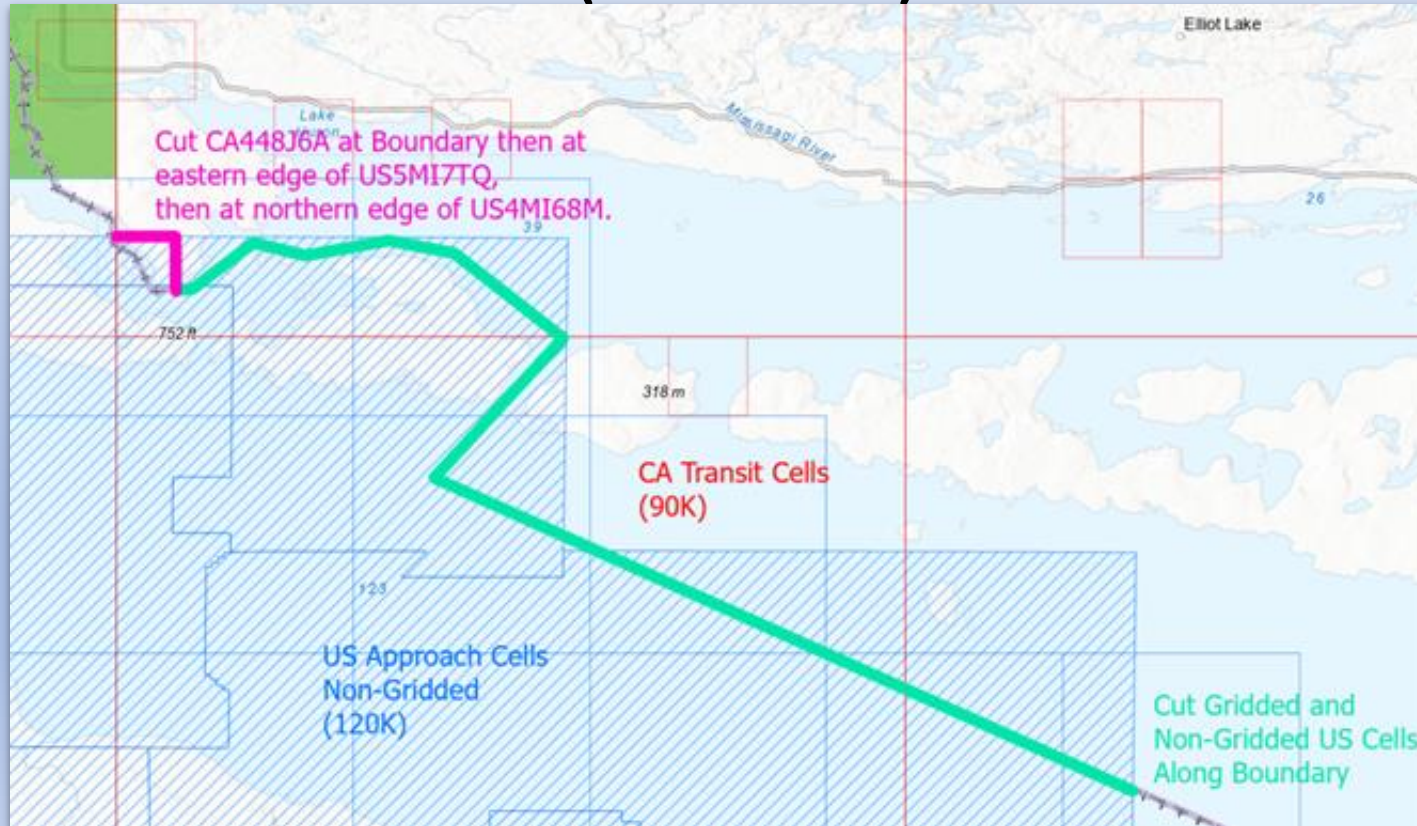
➤ Discuss areas where offices are creating ENC on the grid.

False Detour Channel (Lake Huron):



➤ Discuss areas where offices are creating ENC's on the grid.

False Detour Channel (Lake Huron):



Working US Proposal:

Cut at boundary to the mouth of St. Mary's River. Continue cut at eastern edge of US cells.



CHS & NOAA's North Atlantic offices plan to meet regularly.

- June 30, 2022, October 31, 2022, next one to be in early April.
- Data sharing
- Collaborative discussions on specific processes
- Sharing where data acquisitions will occur
- Transboundary discussions with respect to navigational products.

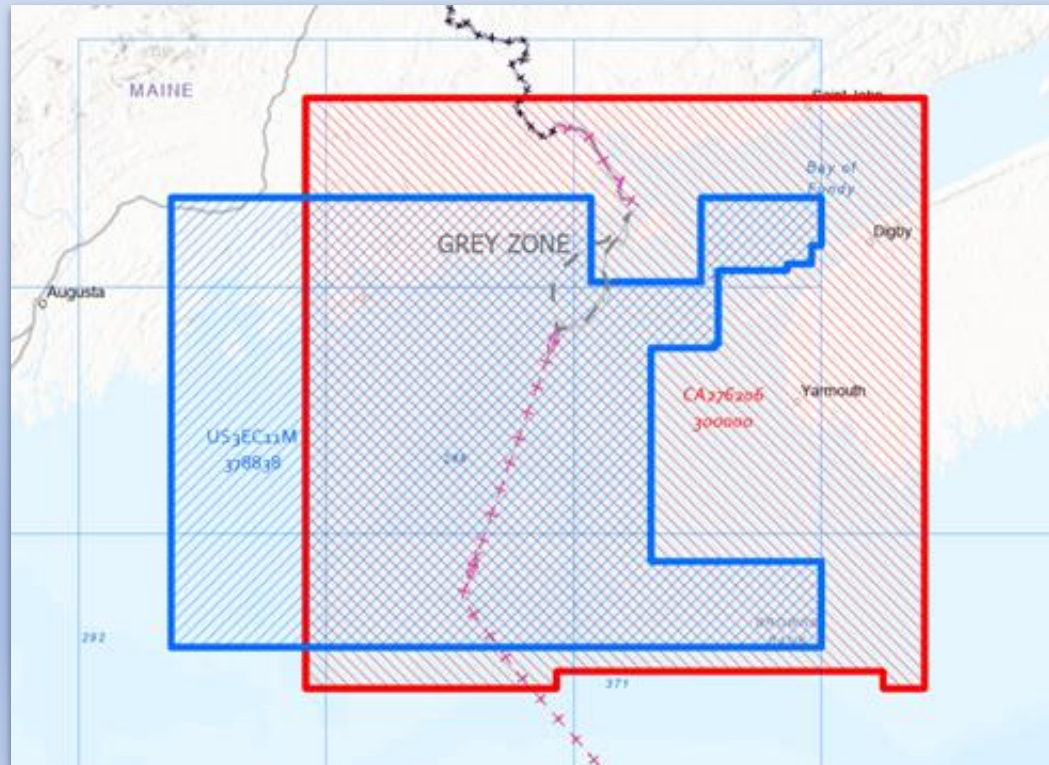


CHS & NOAA's North Atlantic offices plan to meet regularly.

- Creating ENC's on grid are the priority right now
- Unique challenges as we are dealing with a disputed boundary
- Canada to prioritize the area for gridding and start conversation about where to divide areas of responsibility

➤ Discuss areas where offices are creating ENC on the grid.

Offshore North Atlantic Ocean:



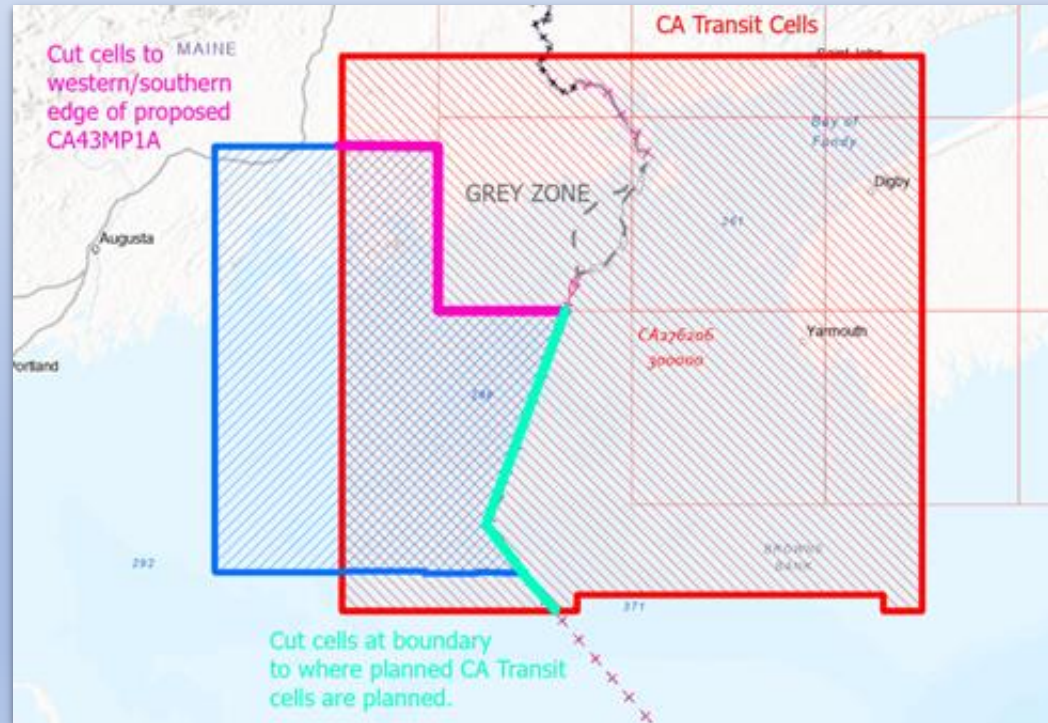
RENC (IC-ENC) identified locations where larger scale usage band had a smaller scale.

For example, US3EC11M is 1:378,838 scale, while Canada's CA276206 has a scale of 1:300,000.

The ECDIS will choose to display the Band 3 scale over the Band 2, thus showing a smaller scale that is available for the area.

- Discuss areas where offices are creating ENCs on the grid.

Offshore North Atlantic Ocean:



Working US Proposal:

Cut US/CA cells at the boundary until the cut reaches the edge of proposed CA cell CA43MP1A.

The cut would continue along the edge of the CA Transit cell coverage.

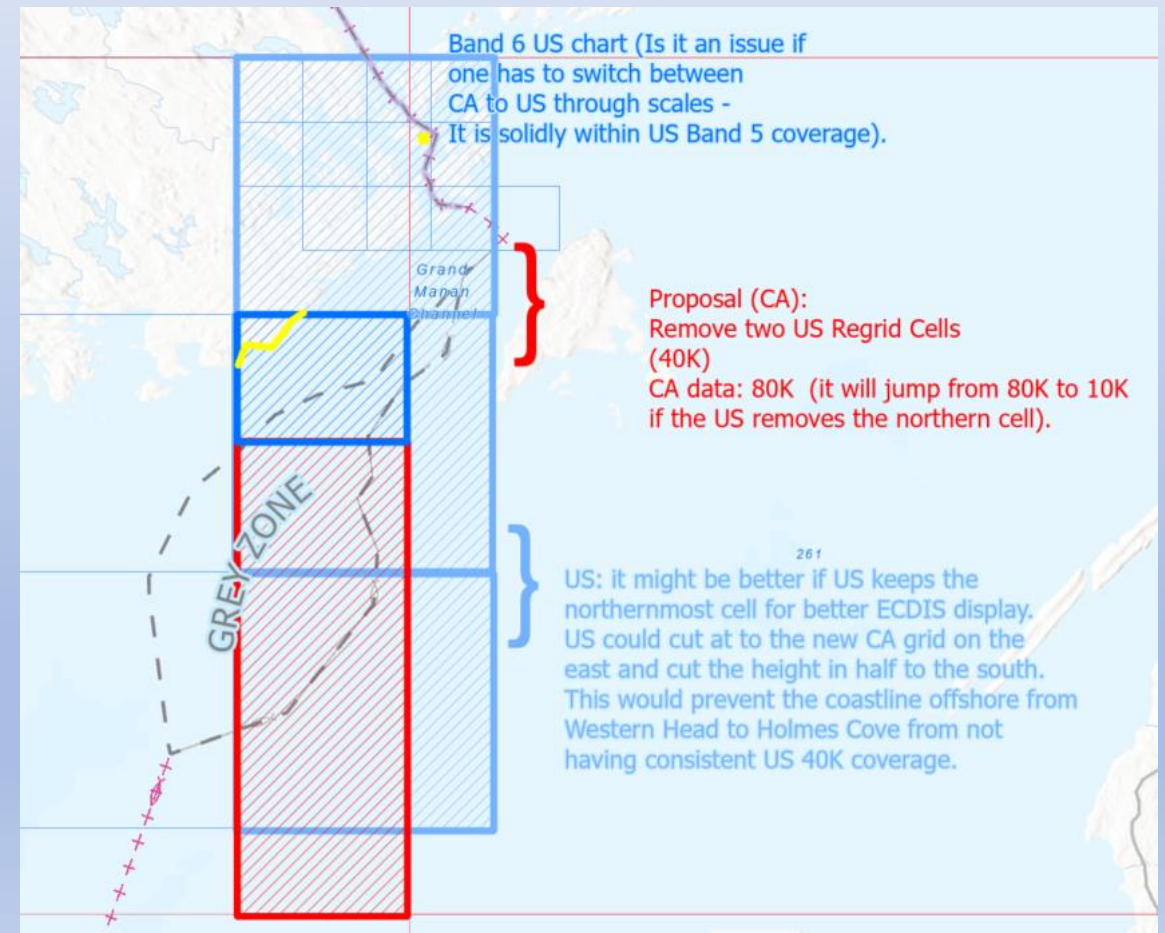
➤ Discuss areas where offices are creating ENC's on the grid.

Grand Manan Channel:

Working US Proposal:

Keep US Coverage to the north to prevent drastic jump in scale (1:80,000 to 1:10,000) and from cutting off US continuous coverage along coast and in Eastport, ME.

Cut cell boundaries along cell edges instead of the boundary due complications caused by the Grey Zone.

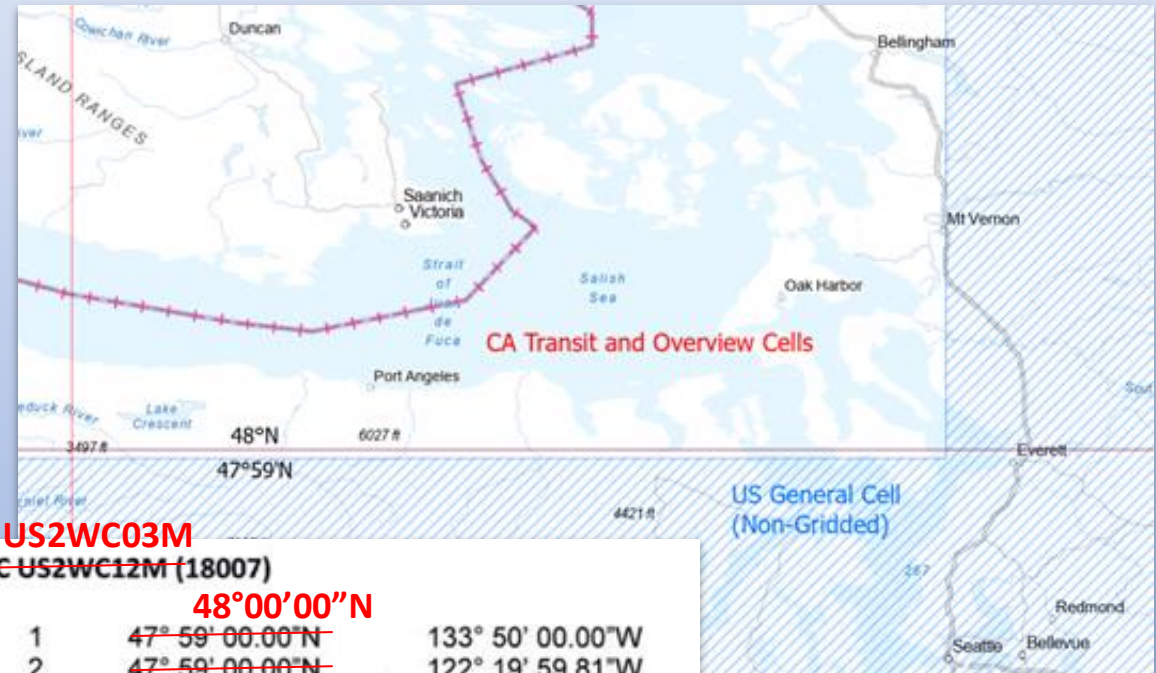




International Hydrographic Organization

CHS & NOAA's North Pacific offices:

- Presented recommended changes to coverage at last USCHC
- Draft Annex to MOU dated April, 25, 2011 will be ready for review at USCHC46



US2WC03M

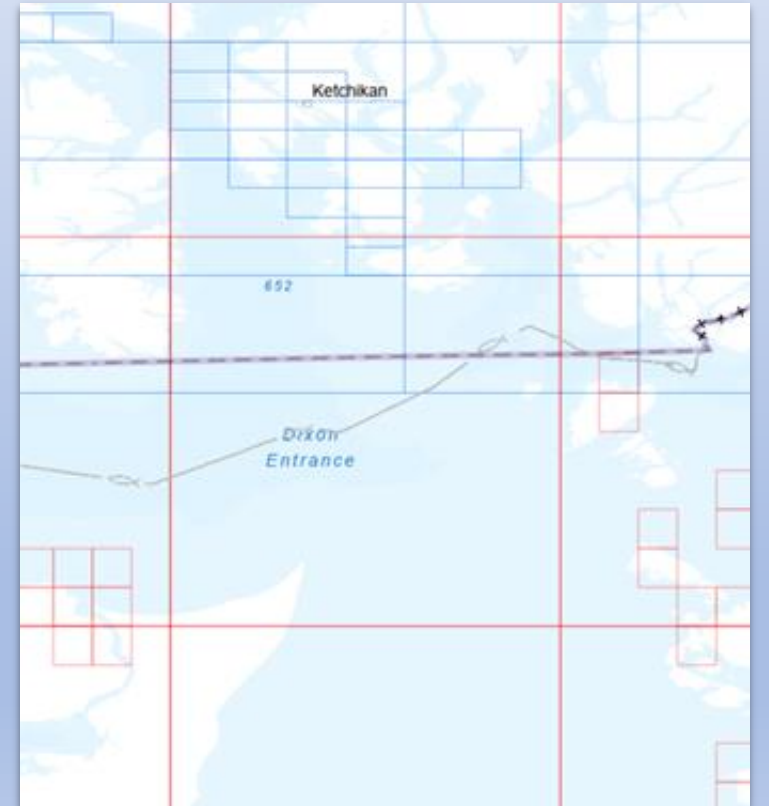
2. ENC-US2WC12M (18007)

	47° 59' 00.00"N	133° 50' 00.00"W
1	47° 59' 00.00"N	133° 50' 00.00"W
2	47° 59' 00.00"N	122° 19' 59.81"W
3	49° 30' 00.00"N	122° 19' 59.81"W
4	49° 30' 00.00"N	120° 30' 00.00"W
5	37° 27' 20.00"N	120° 30' 00.00"W
6	37° 27' 20.00"N	133° 50' 00.00"W
7	47° 59' 00.00"N	133° 50' 00.00"W

* = connecting position
These positions are in NAD83.

CHS & NOAA's Alaska & Pacific / Arctic offices

- Conversations to start about gridded ENC's in Northeast and Southeast Alaska.
- Will meet with Pacific region and Ontario, Prairie and Arctic regions of CHS





Next Steps:

- Share notes of all regional CHS / NOAA monthly meeting on Google Drive so all offices have access.
- Draft a list of criteria to determine if CATCOV1/CATCOV 2 cut along border or single-agency charting should be used to help with guidance.
- Investigate creating automated paper charts and what the impact of cutting along border will be.
- Continue to develop transboundary web map to support discussions, decisions and linking decision documents.
- S-102 data product - how manage within transboundary area?