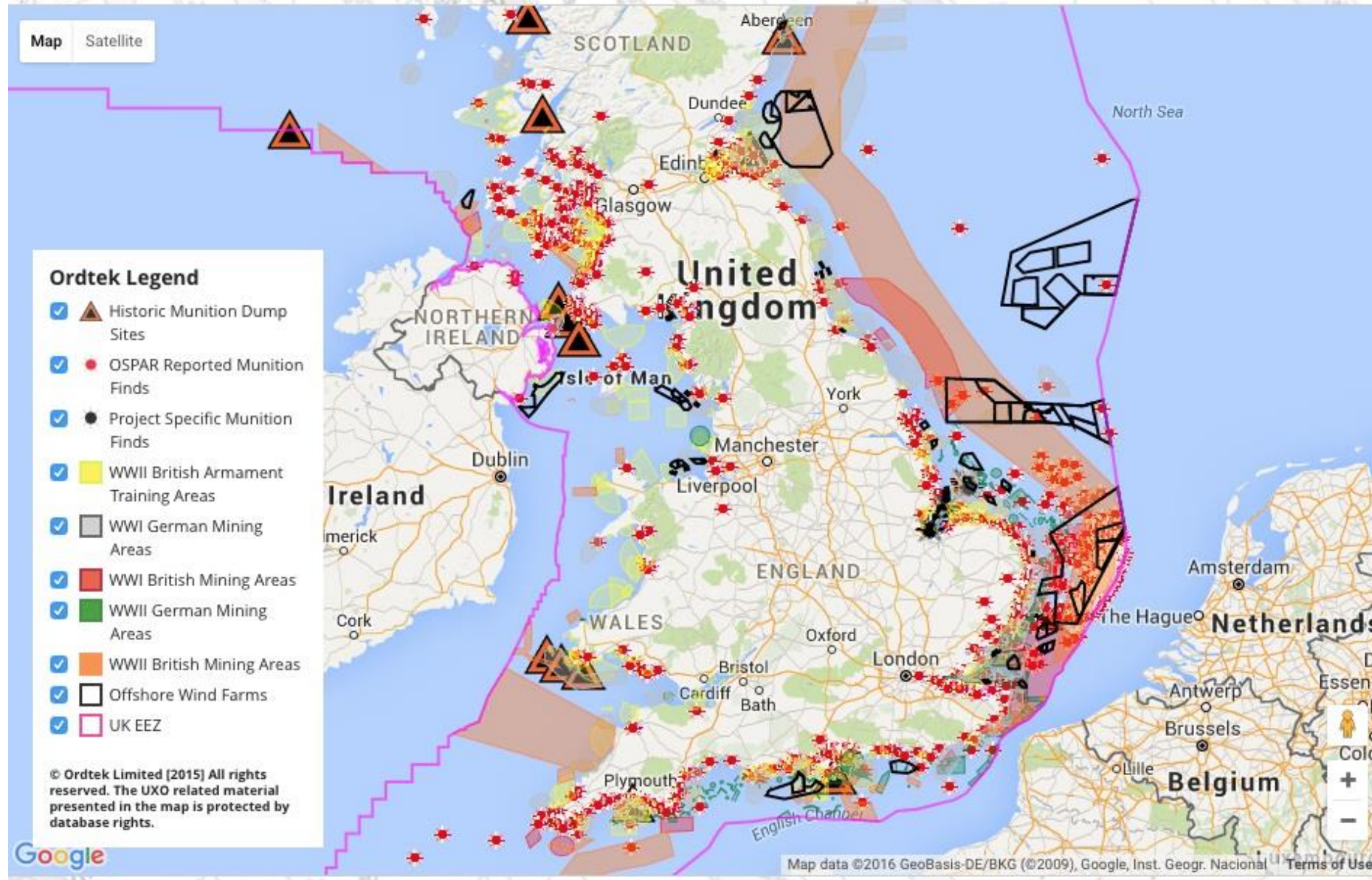


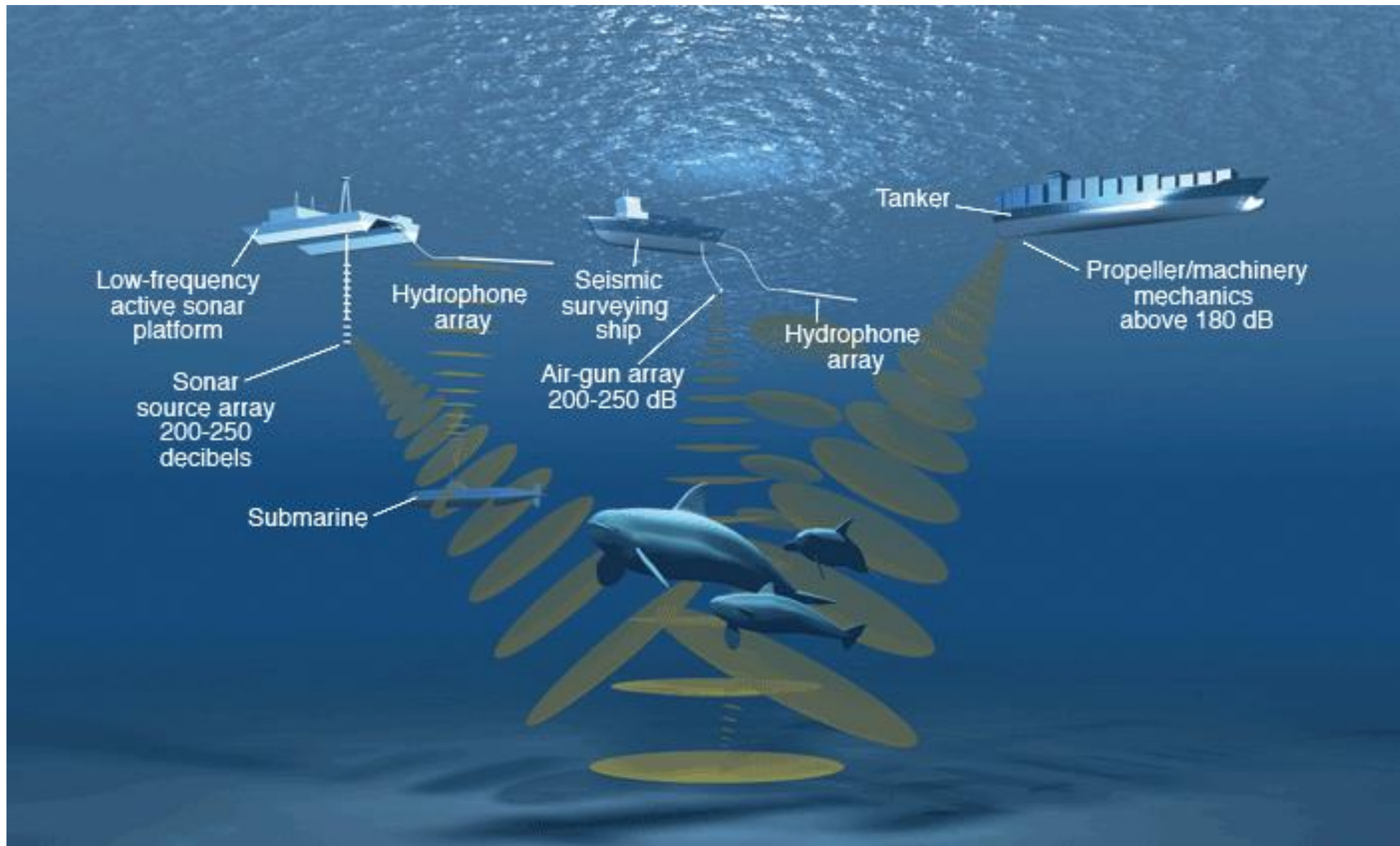
Investigating the effect of underwater explosions on ocean mixing in the Southern North Sea

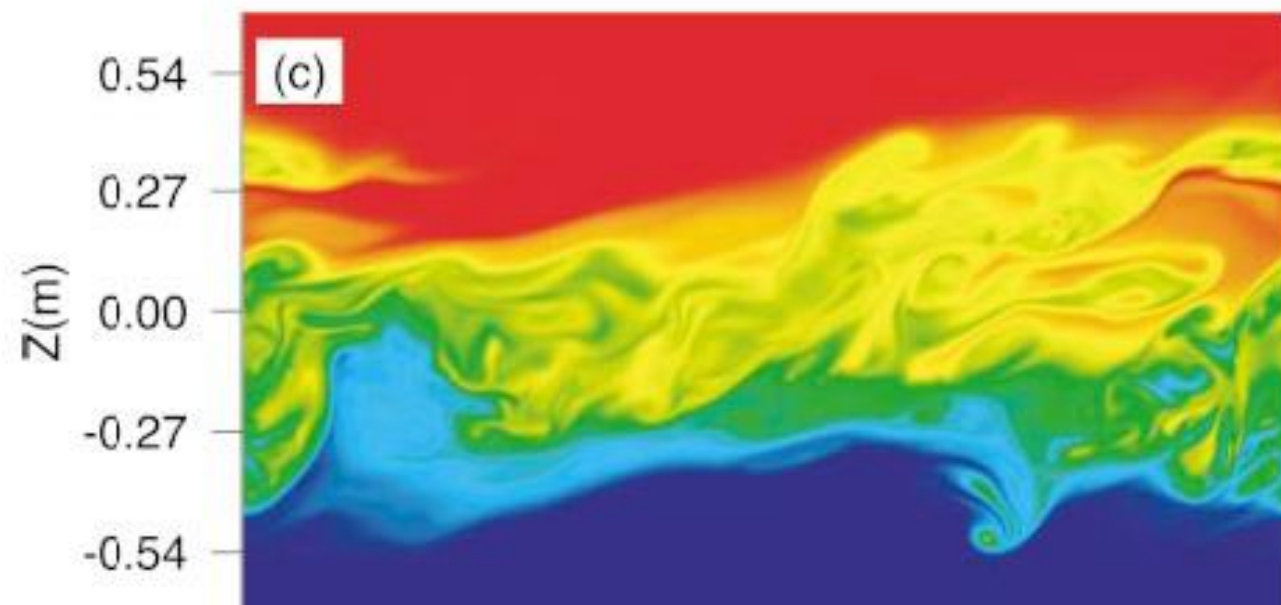
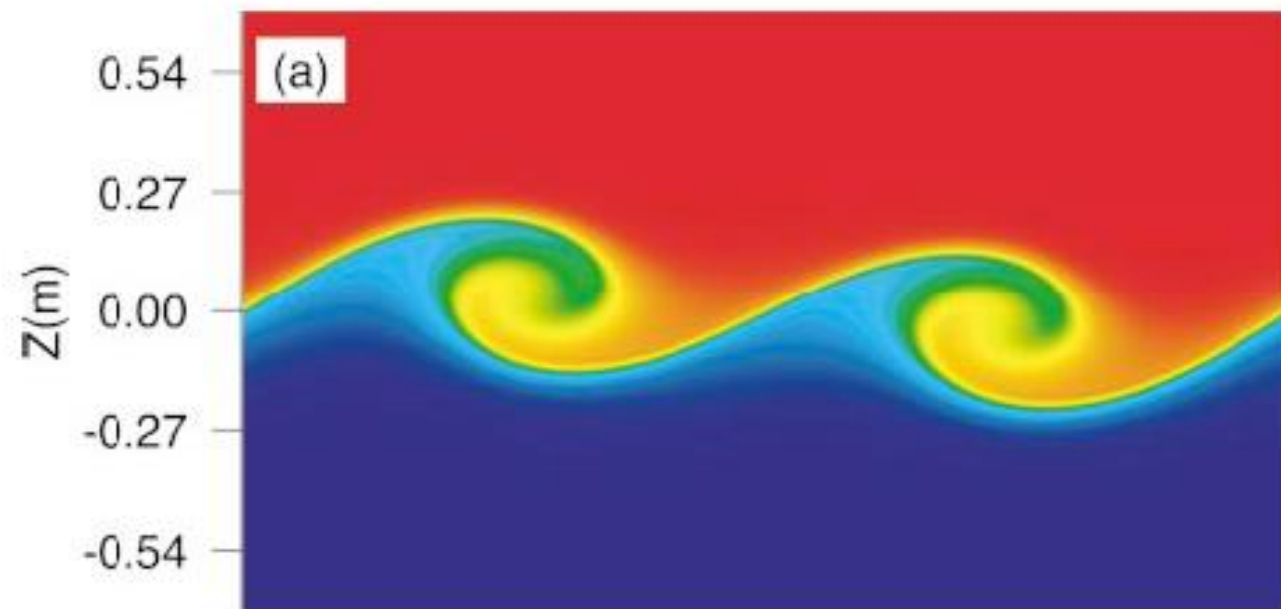
By Conor Davidge

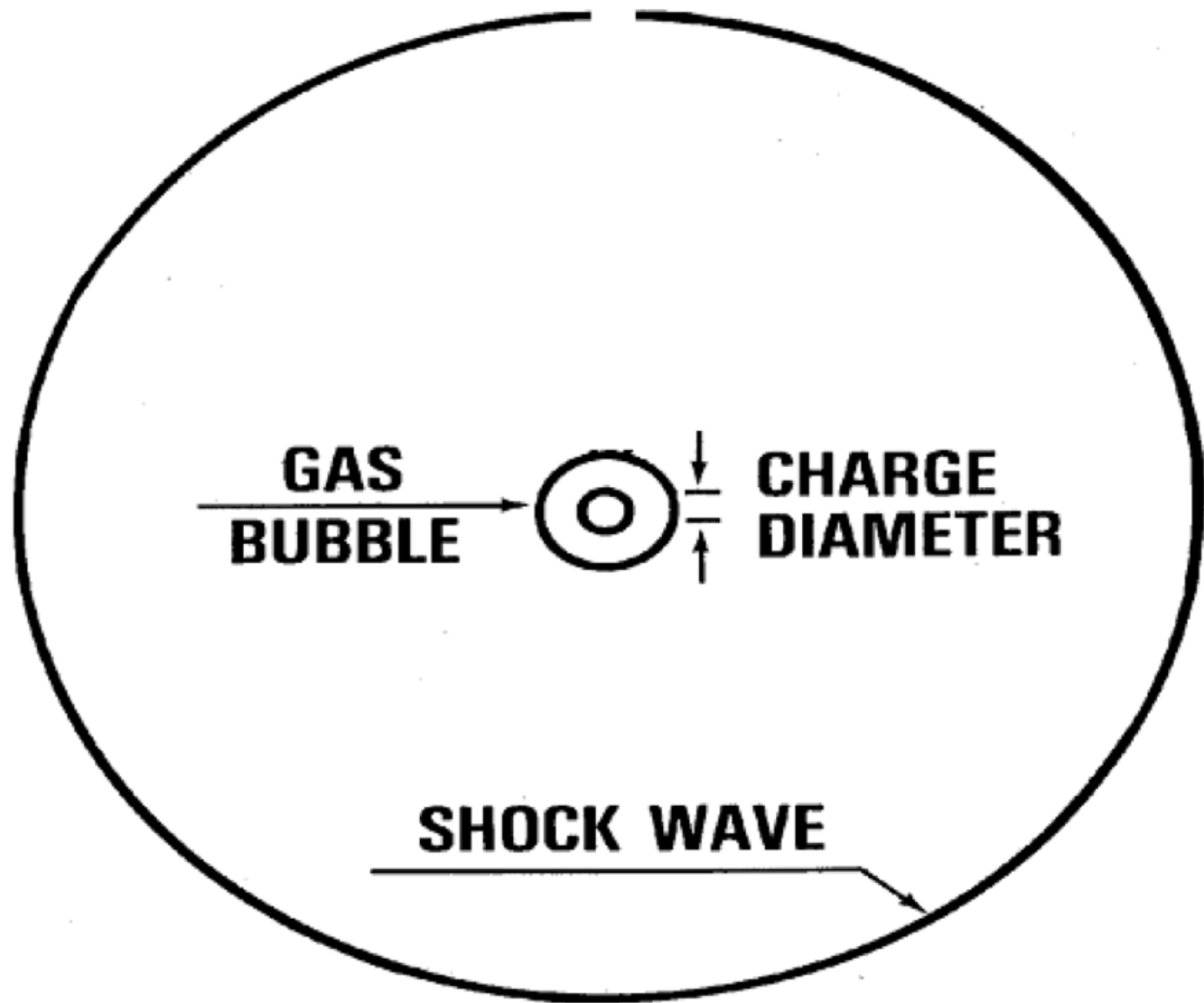


<http://www.foxnews.com/tech/2012/10/08/millions-unexploded-bombs-lie-in-waters-off-us-coasts.html>

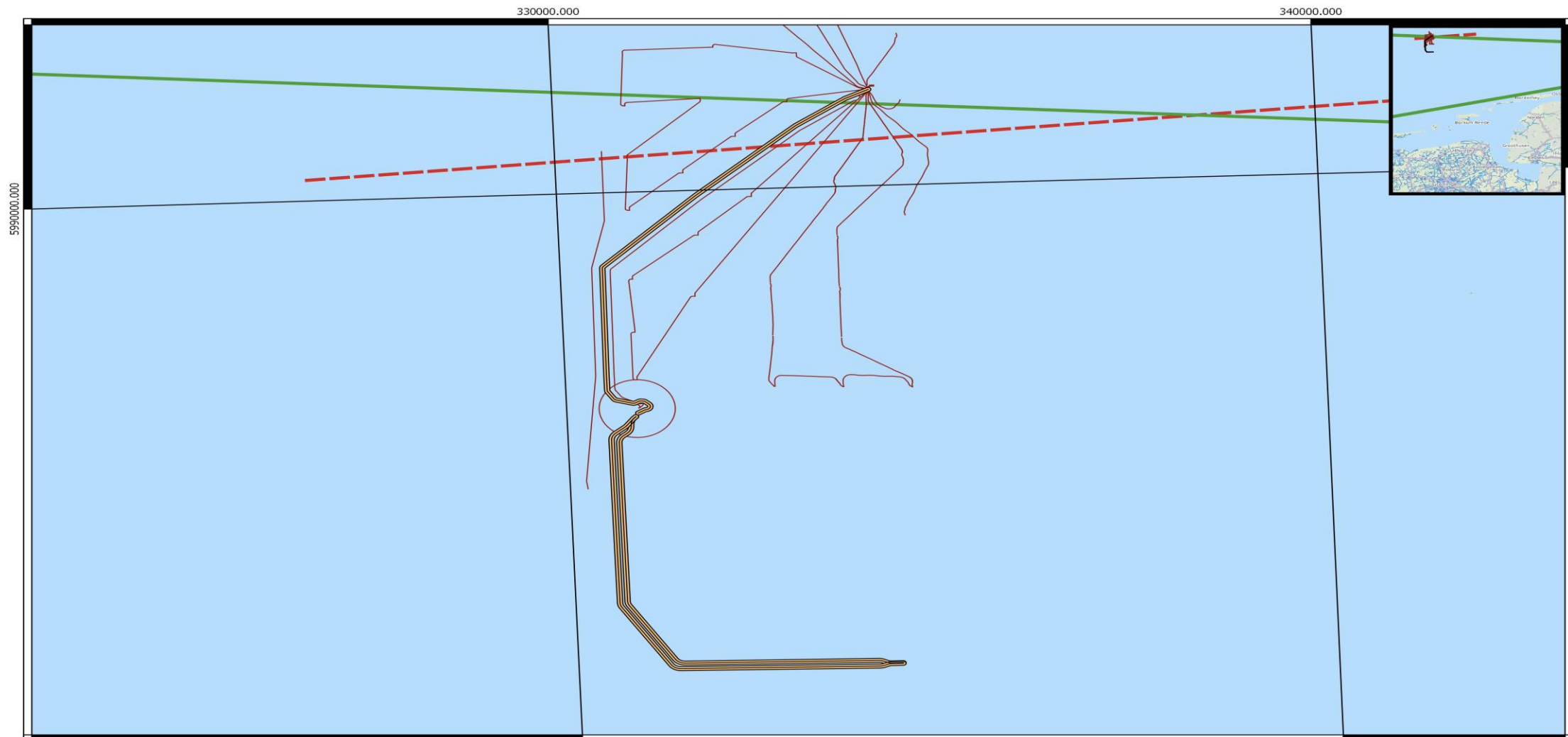








Riffgrund II AC / Trianel HVAC



Legend

Cable	WW2 AMK I - IV
Survey corridor	WW1 Elia



1:3,255,513 WGS84 UTM32N

My process

1. Collecting CTD and ACDP before and after detonating a UXO
2. Processing the data
3. Use results for calculations

Where is point?

- Turbulence an important factor for plankton species (diatoms)
- Increase contact rates between predators and prey
- Mixed layers recycle nutrients, therefore can lead to blooms
- High productivity requires upwelling of nutrients and stratification within the euphotic zone
- Biological fronts recycle nutrients and deposit organic/inorganic sediment

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