Title: Increased benthic biodiversity and food web recovery after decommissioning of oil and gas infrastructure

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Analysis 1: chemical concentrations

Purpose: the comparisons of chemical raw data across impact and control zone before and after decommissioning or early and later post-decommissioning

Rscript: s1s2s3ChemicalScript.R

Data: s1s3chemical.Rdata and s2chemical.Rdata

Analysis 2: biodiversity and food web effect sizes

Purpose: using difference in difference framework to estimate the decommissioning effects on the biodiversity and food web topological metrics

Rscript: s1s2s3EcologicalResponseScript.R

Data: s1s3ecologicalmetrics.Rdata and s2ecologicalmetrics.Rdata

Analysis 3: community compositional changes

Purpose: using ordination analysis, generalised linear latent mixed model and PERMANOVA to examine benthic community changes

Rscript: s1s2s3PCoAGLLVM.R

Data: s1\_sppabundance.Rdata, s2\_sppabundance.Rdata and s3\_sppabundance.Rdata