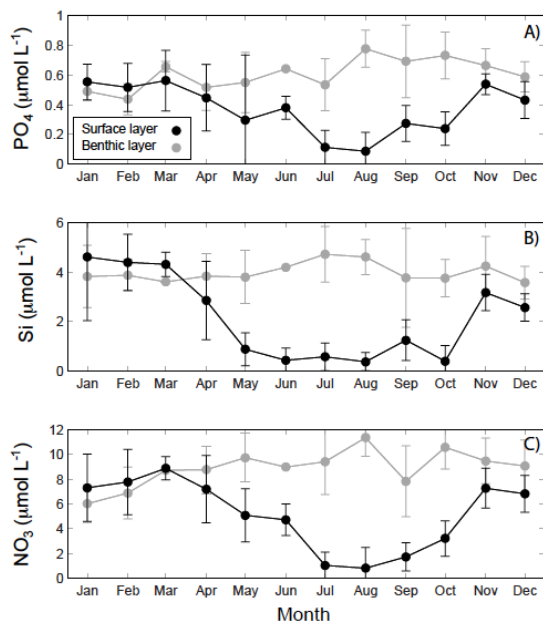


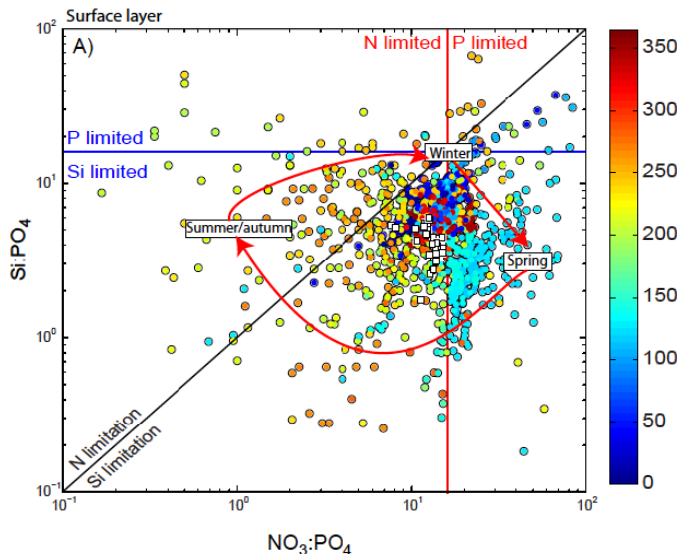
Elemental stoichiometry (C, Si, N, P) of the Hebrides Shelf

1) Opposing annual cycles in surface and benthic water inorganic nutrients – auto-/heterotrophic activity



~70% of Si, ~30% of NO_3 & PO_4 , “lost” from system

2) Cyclical trends in nutrient stoichiometry – inversely linked to autotrophic demands



Potential P limitation in spring,
N limitation in summer.
Widespread Si deficiency

3) Significant lateral and vertical gradients in stoichiometry

