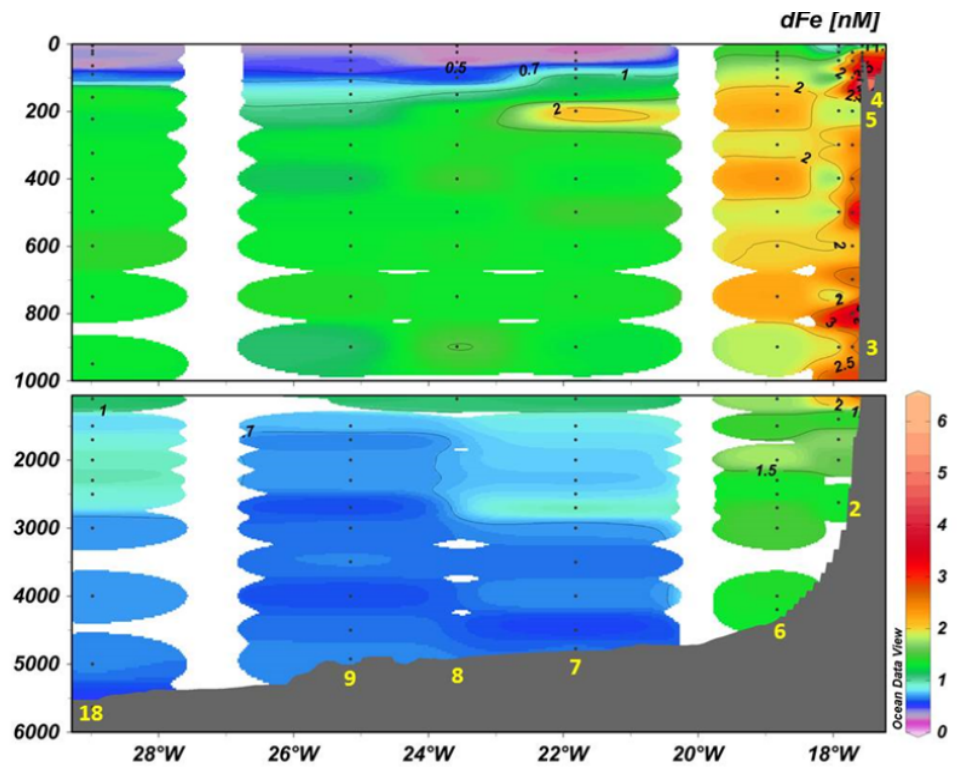
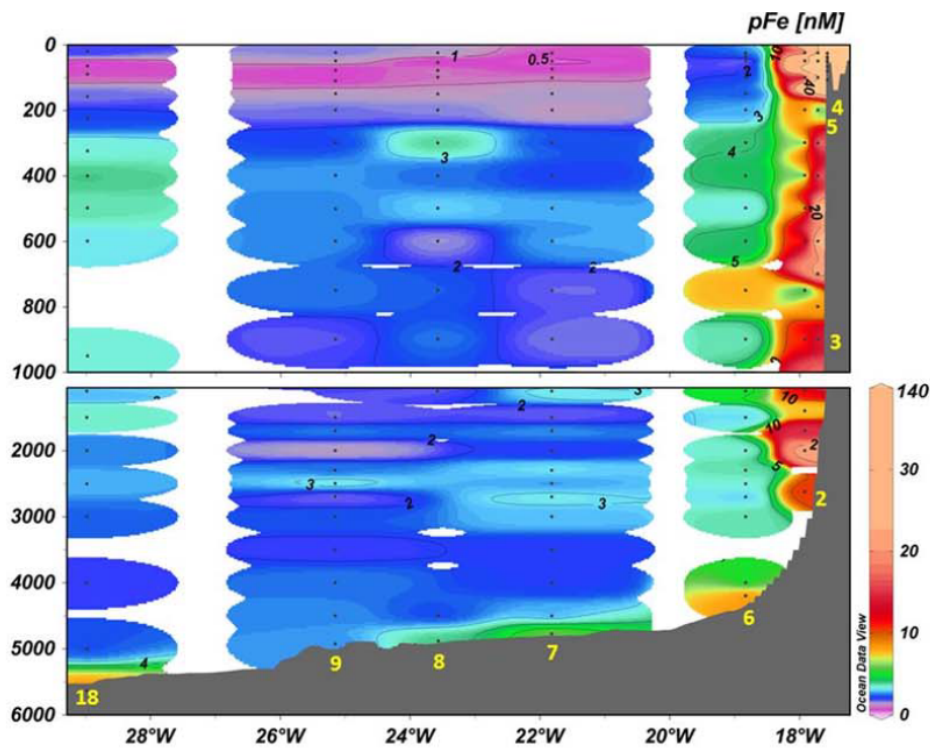
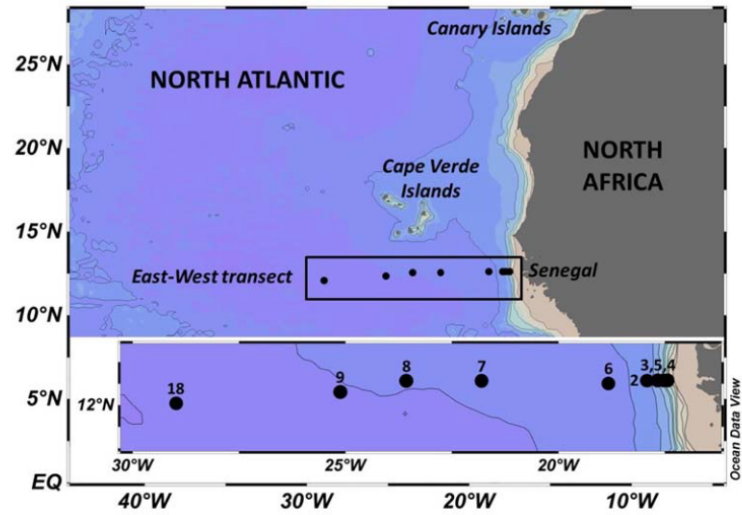


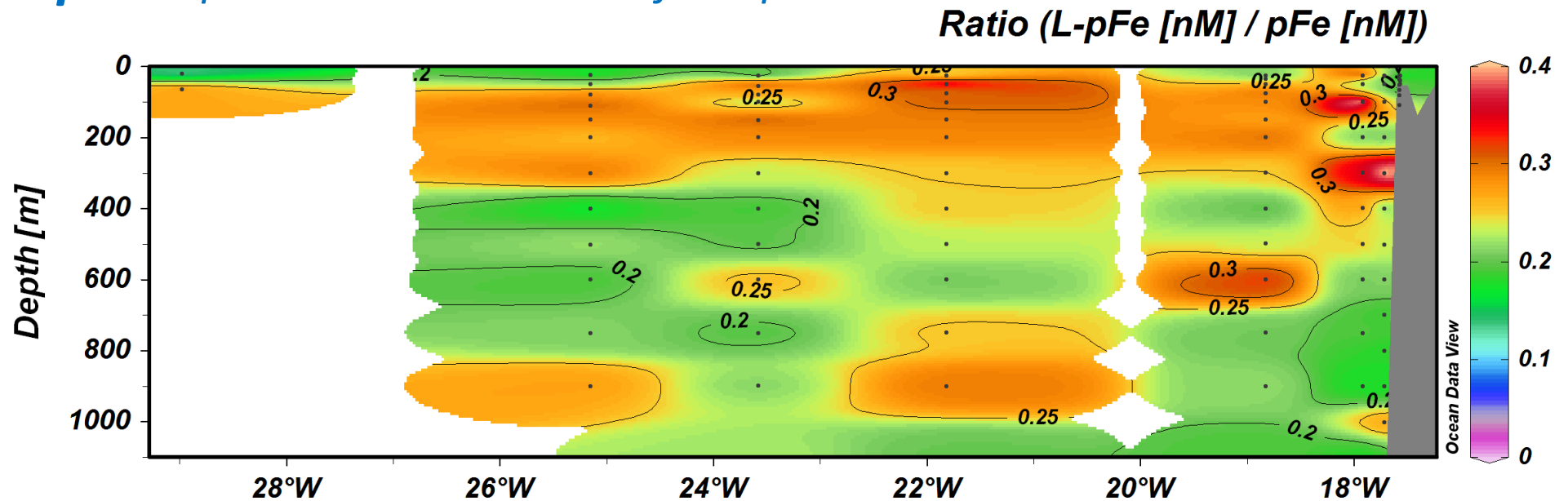
dissolved Fe concentrations: Scavenging and regeneration

Maeve Lohan & Angela Milne

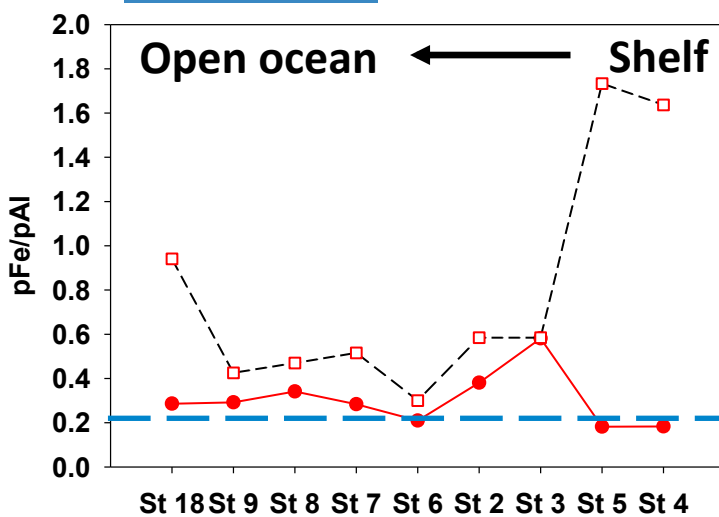




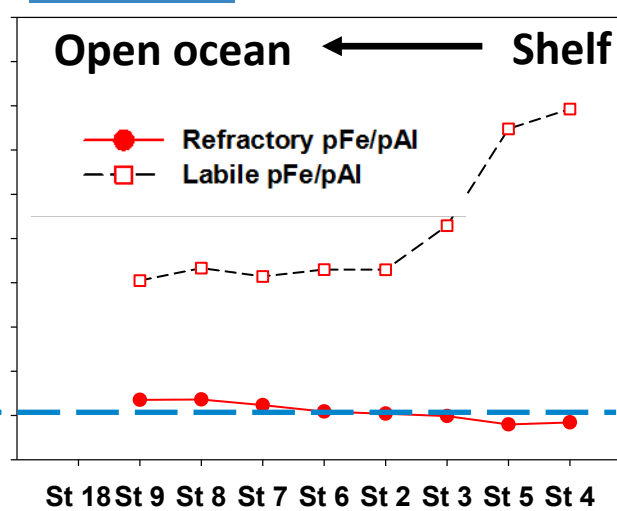
LpFe: up to 30% leachable* Fe from pFe



To Chla max:



To 1100m:



- Refractory pFe close to crustal ratio
- Enrichment in labile fraction – scavenging, biological packaging

LpFe and dFe

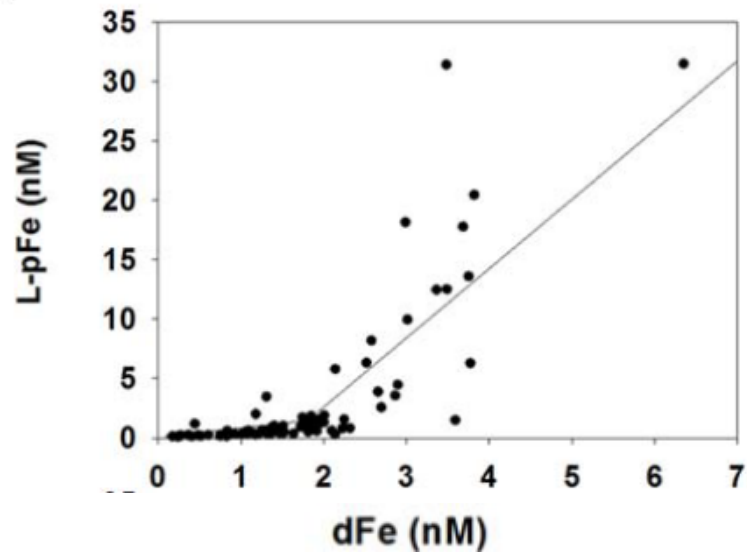
Soluble

Colloidal

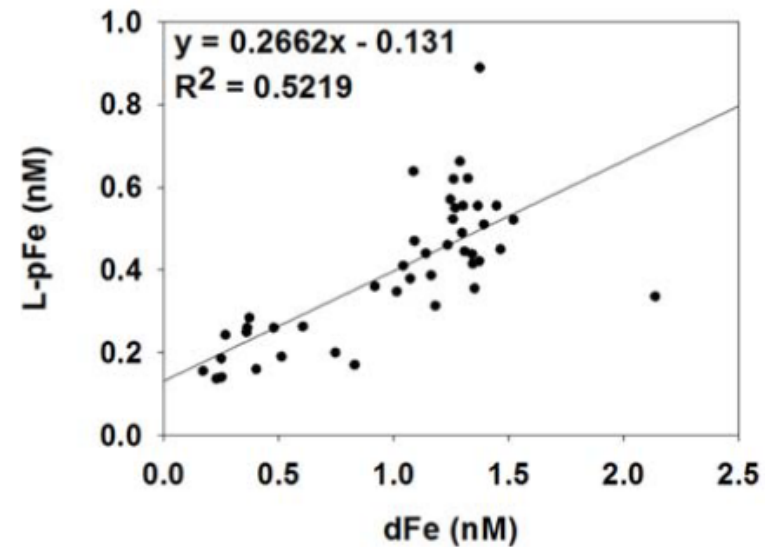
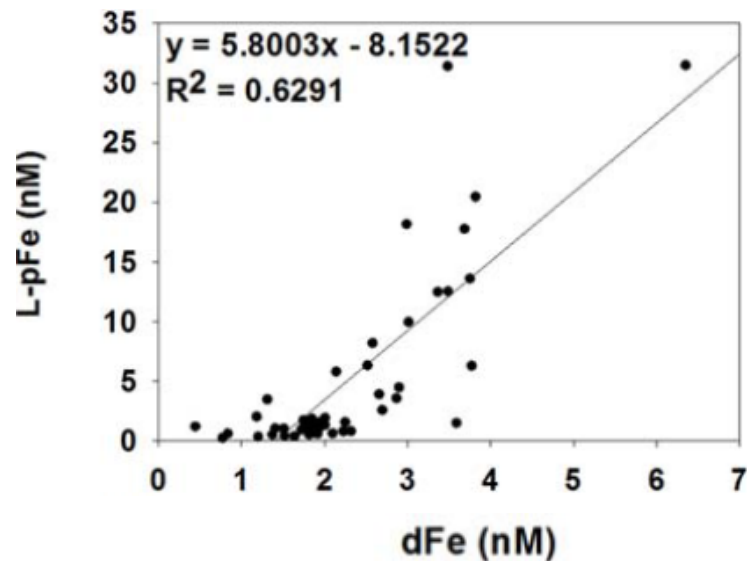
Small particles

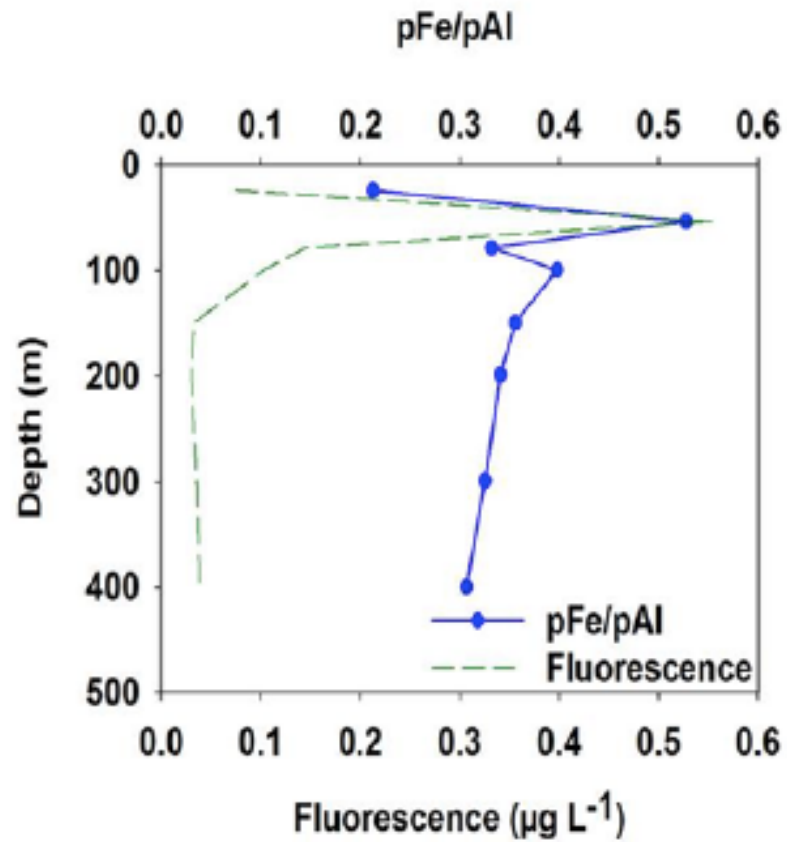
Large particles

C



- 2 Relationships –shelf dominated and open ocean
- Dynamic equilibrium where high L-pFe exchanges with dFe can occur resulting in high dFe and vice versa





Enrichment of pFe over pAl well above the crustal ratio in the Chl max – biological Fe uptake and scavenging?