



— Surface flow  
 — Deep flow  
 — Bottom flow  
 ● Deep Water Formation

⊙ Wind-driven upwelling  
 ⊙ Mixing-driven upwelling  
 ■ Salinity > 36 ‰  
 ■ Salinity < 34 ‰

L Labrador Sea  
 G Greenland Sea  
 W Weddell Sea  
 R Ross Sea