



CO<sub>2</sub>-rich  
Pacific water

Surface-Bottom  
flow of CO<sub>2</sub>-rich  
water

Terrestrial organic  
matter input

River runoff input

Sea-ice  
meltwater

River runoff input

Outflow of corrosive  
Arctic water

Glacial  
meltwater

CO<sub>2</sub>-undersaturated  
water