

# BIOS-SCOPE biogeochemical survey dataset

**Table 1. Vertical Zone Definitions**

Zone	Description
<b>0 : Surface Mixed Layer (ML)</b>	Depth = 0 to base of surface mixed layer (MLD), defined where density is greater than or equal to sigma_theta at surface + 0.125 kg m-3
<b>1 : Upper Stratified Euphotic Zone (USEZ)</b>	Mixed layer depth (MLD) to top of Deep Chlorophyll Maximum (DCM) layer
<b>2 : Deep Chlorophyll Maximum layer (DCM)</b>	Defined as part of profile where ChlF is greater than or equal to 0.35 of maximum chlorophyll value
<b>3 : Winter Mode Water layer (WMW)</b>	Base of DCM to density of local deep winter mixed layer (= sigma 26.32)
<b>4 : Base of WMW to sigma = 26.50</b>	
<b>5 : sigma 26.50 to 26.70</b>	
<b>6 : sigma 26.70 to 26.90</b>	
<b>7 : sigma 26.90 to 27.10</b>	
<b>8 : sigma 27.10 to 27.30, corresponds to the Deep Oxygen Minimum</b>	
<b>9 : sigma 27.30 to 27.50</b>	
<b>10 : anything deeper than Zone 9</b>	