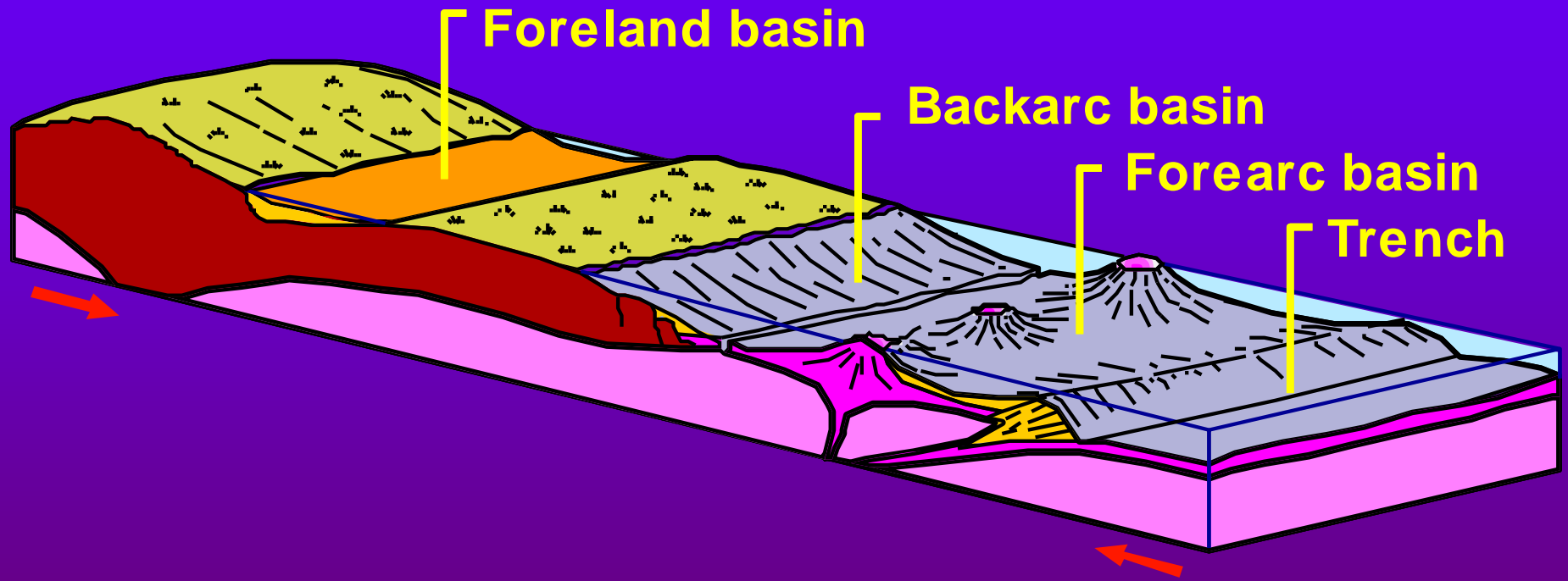


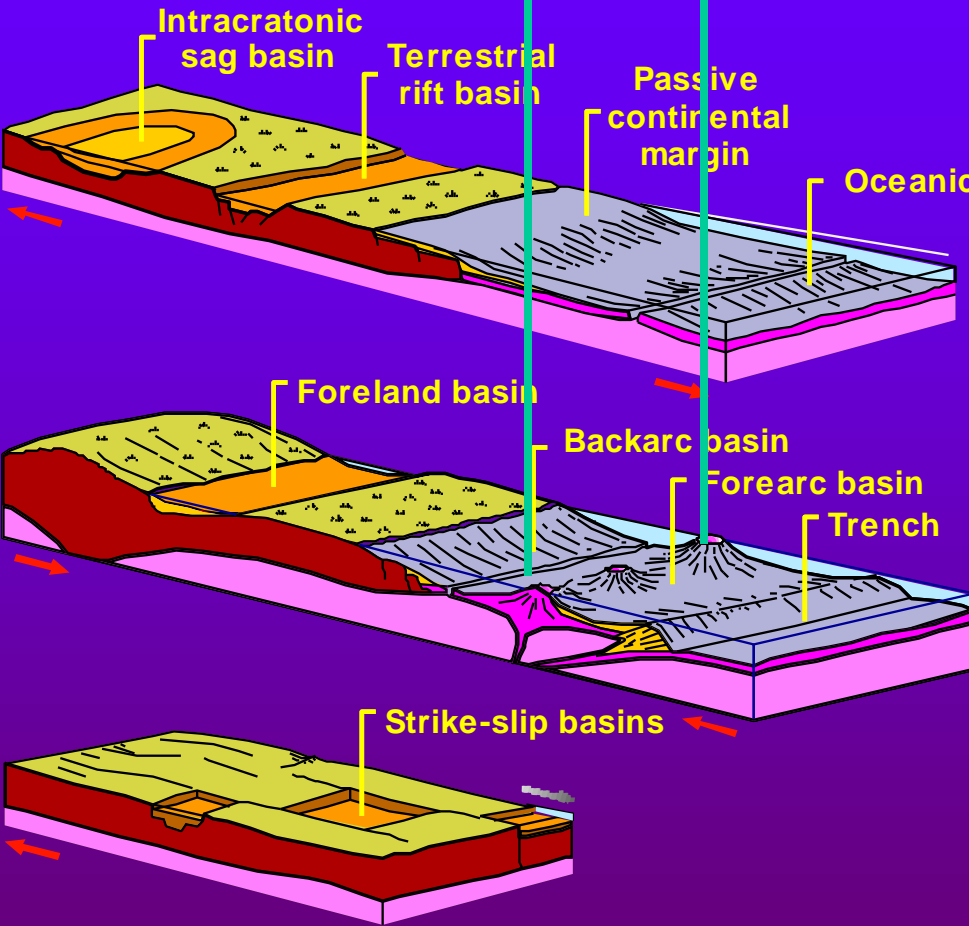
# Back arc and Marginal basins

## BACK ARC BASINS

# Tectonic setting of sedimentary basins

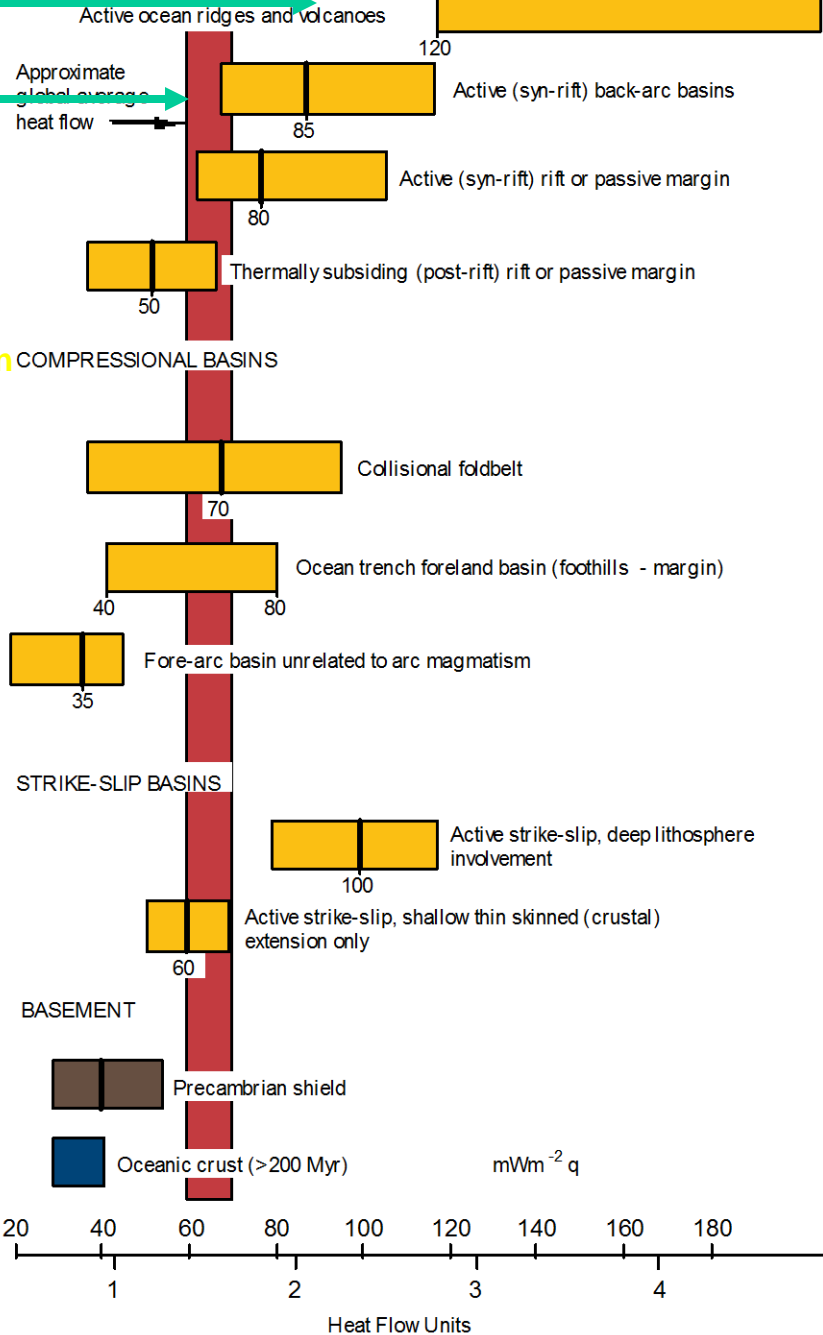


# Basin Heat flow

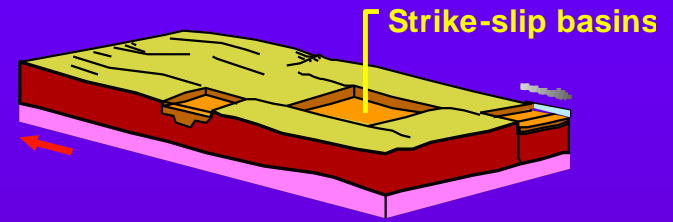
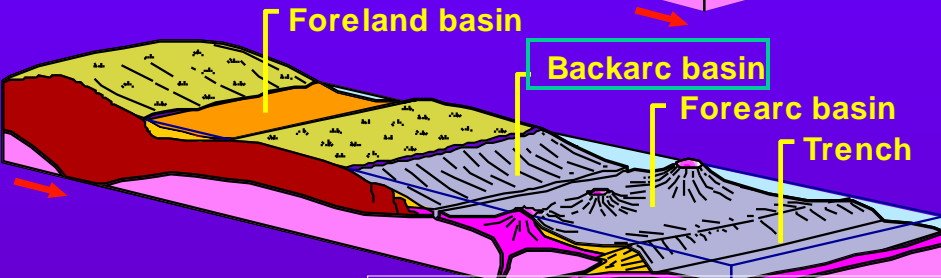
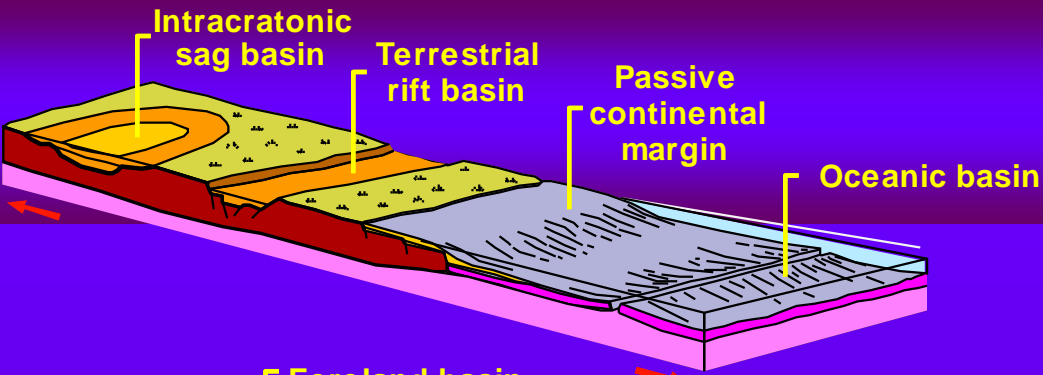


## Back arc basins

### EXTENSIONAL BASINS

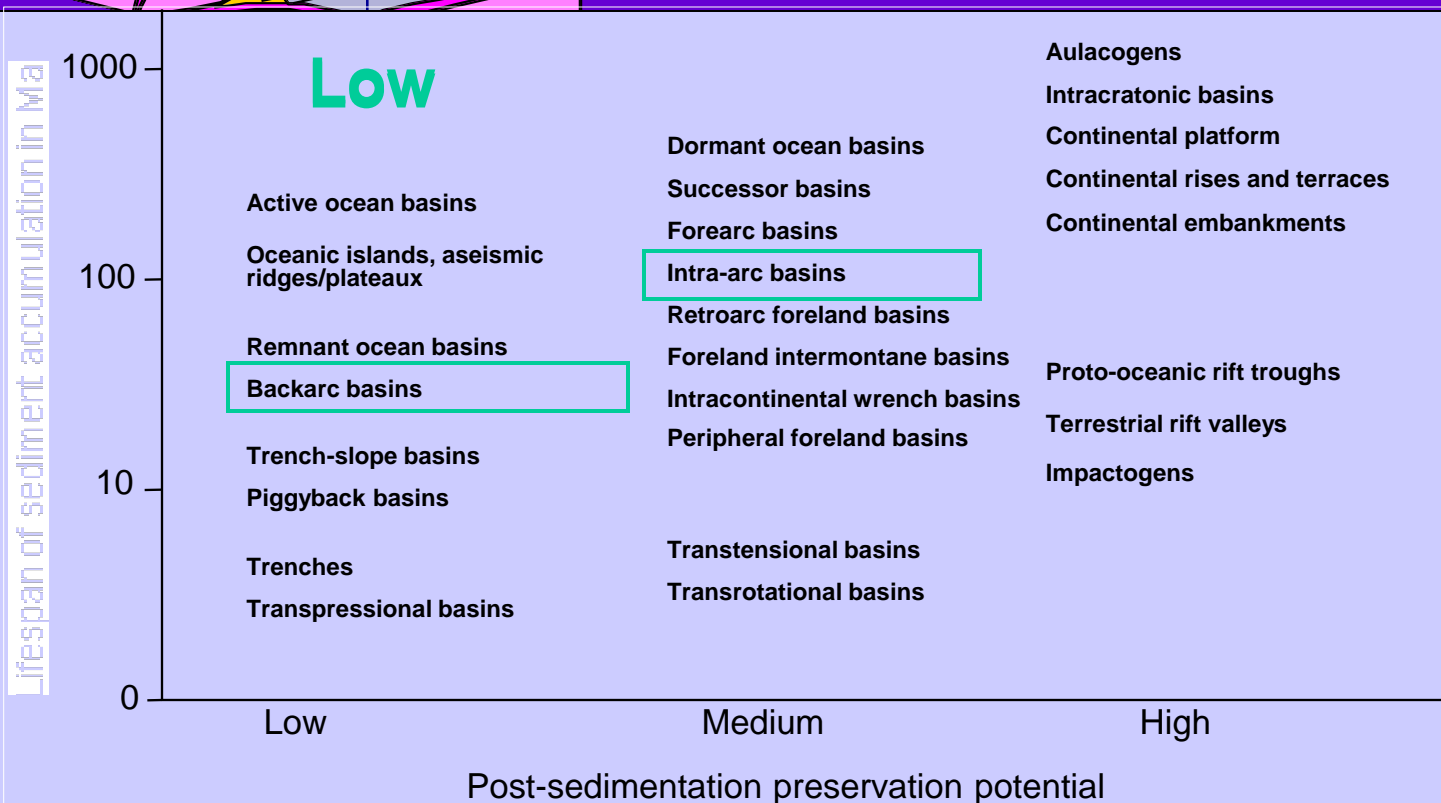


# Basin preservation potential

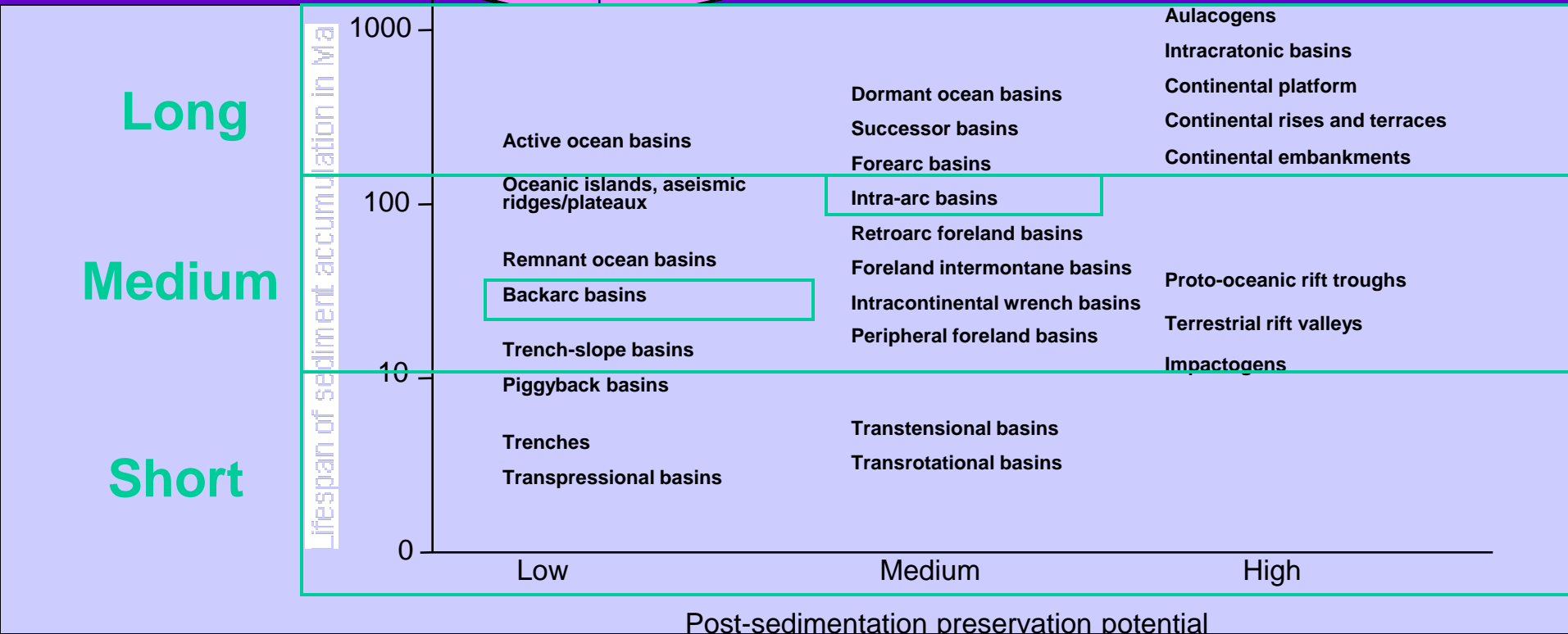
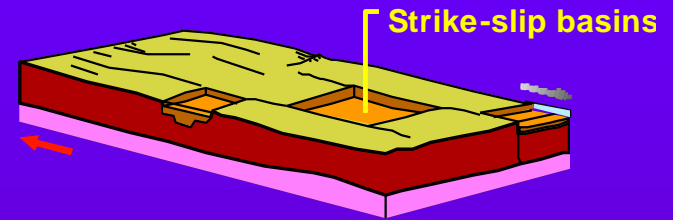
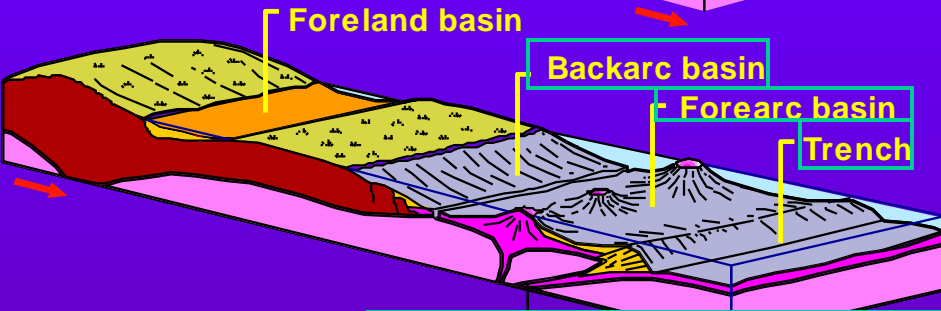
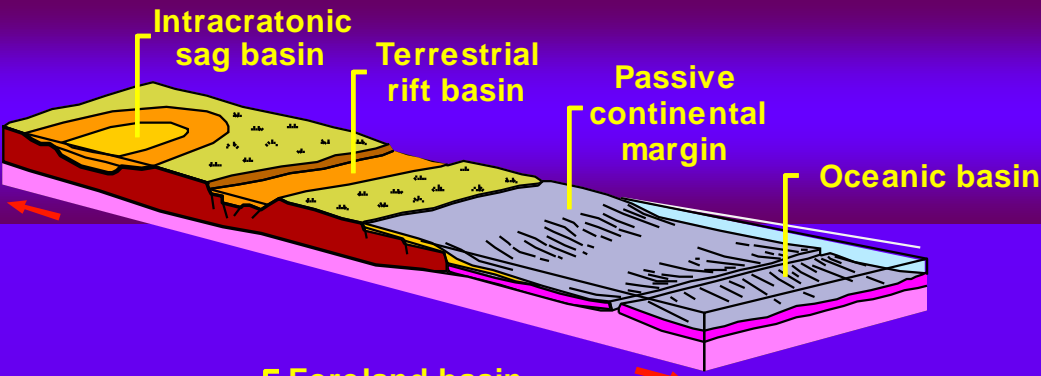


Medium

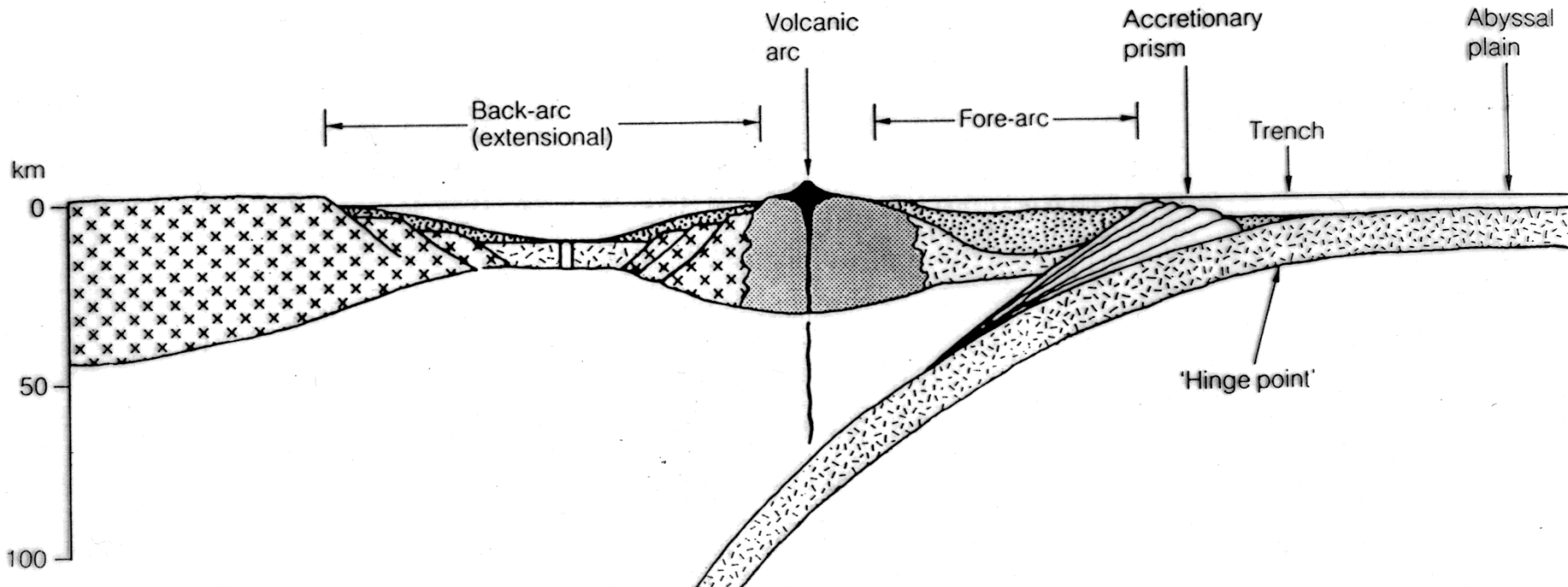
High



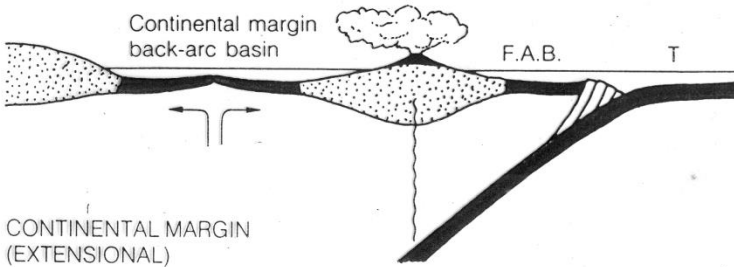
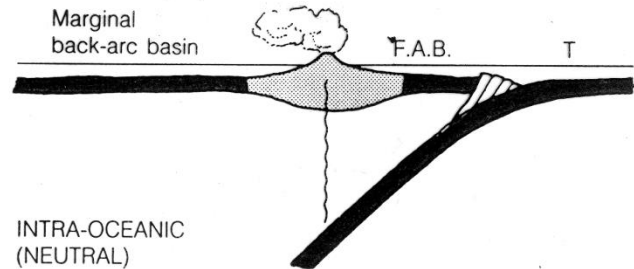
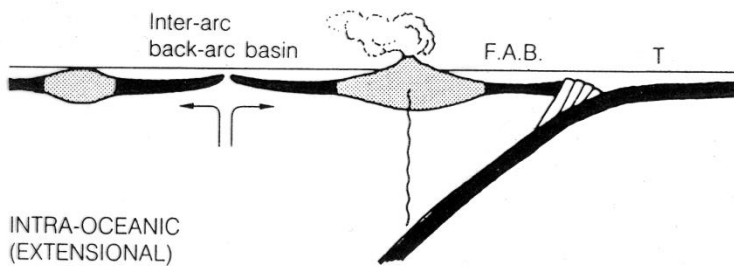
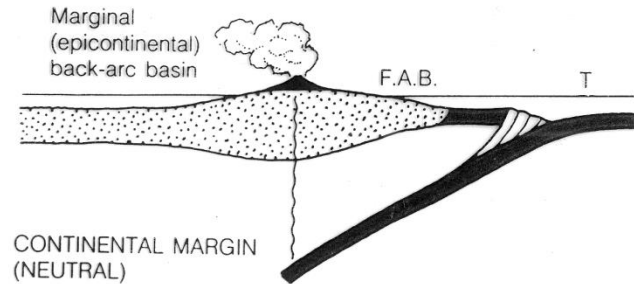
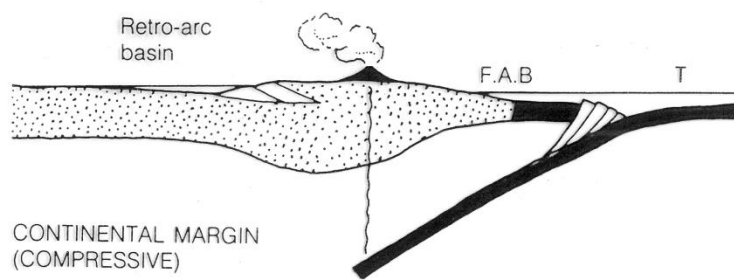
# Basin lifespan



# Arc-trench systems



# Types of arc-trench system



## KEY

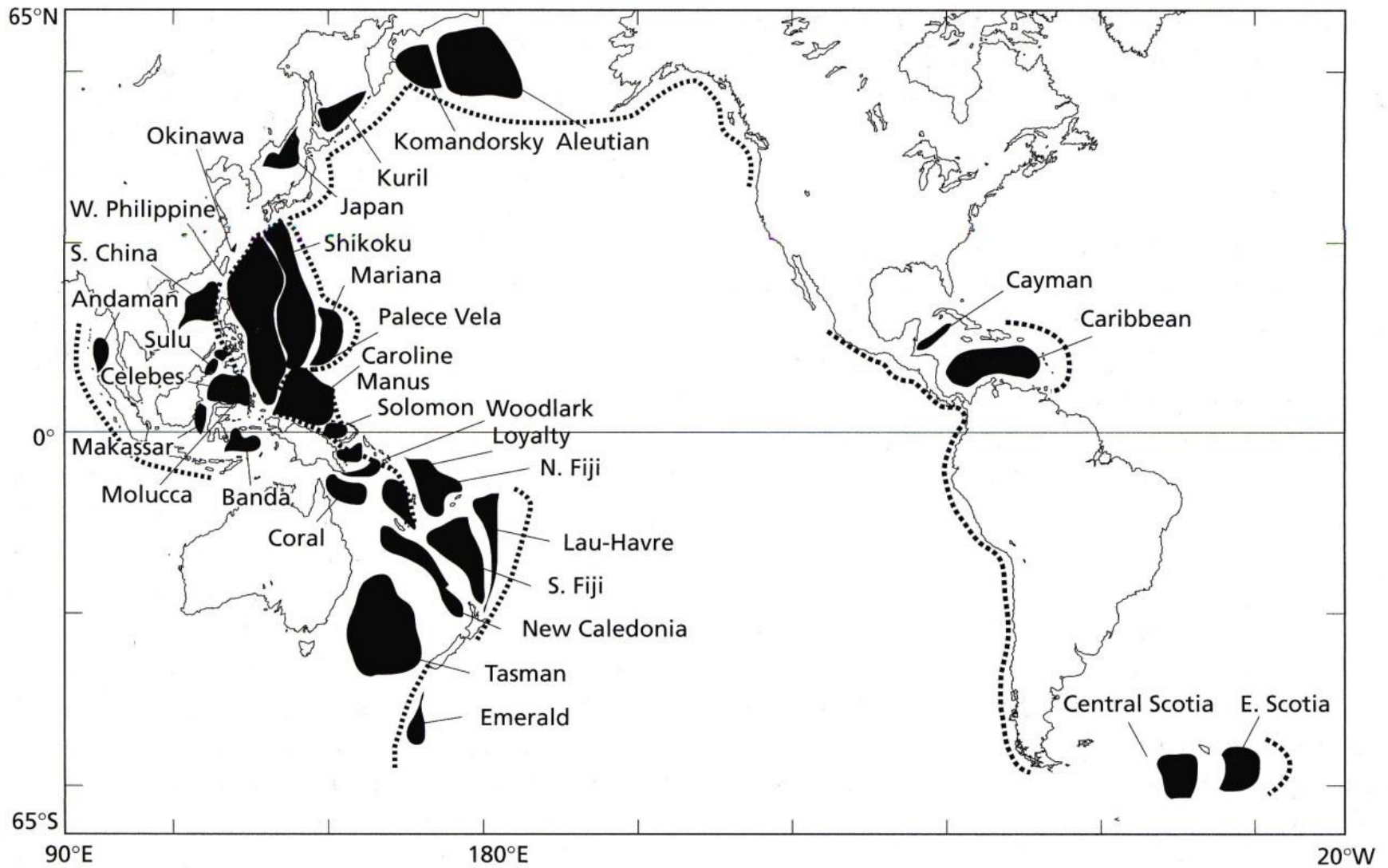
T = Trench

F.A.B. = Fore-arc basin

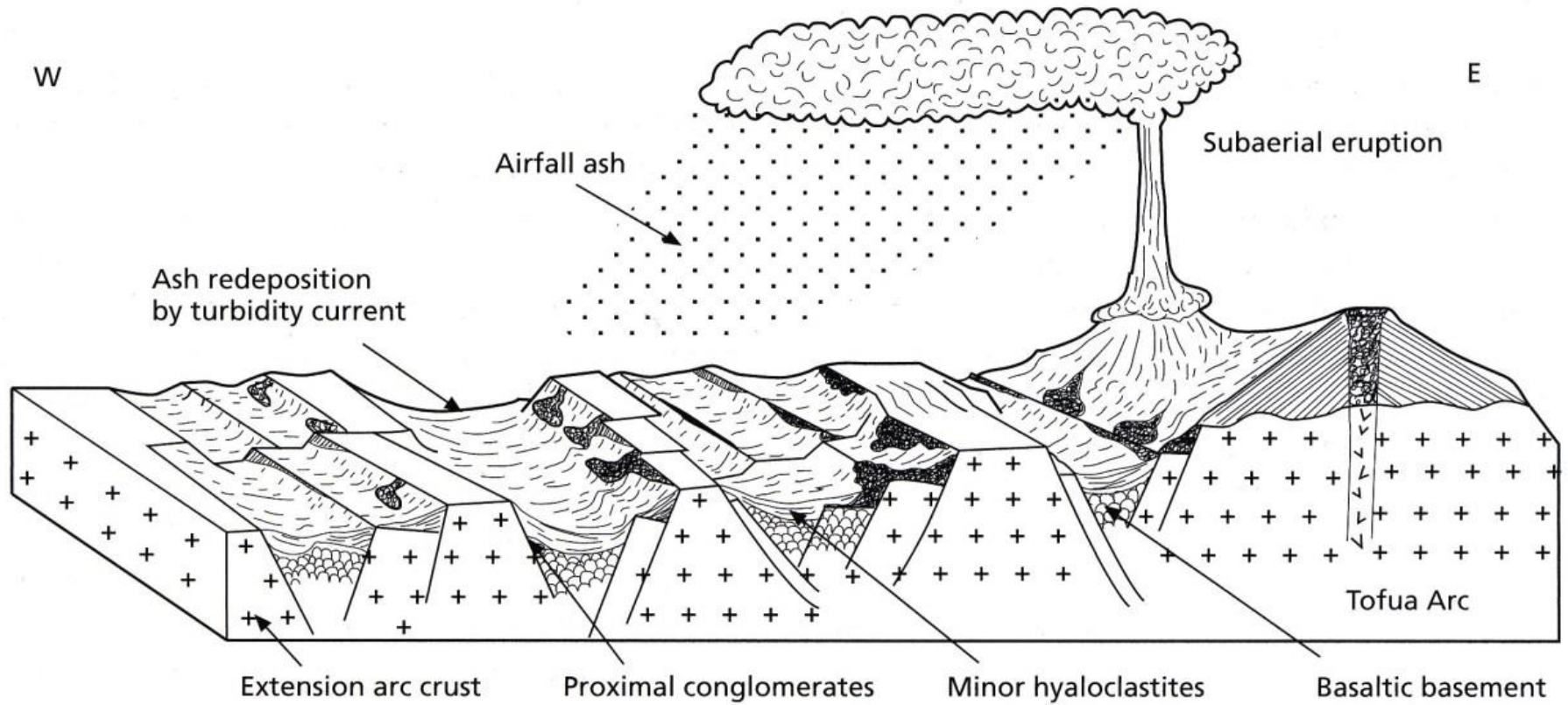
 Oceanic lithosphere

 Continental lithosphere

 Volcanic arc



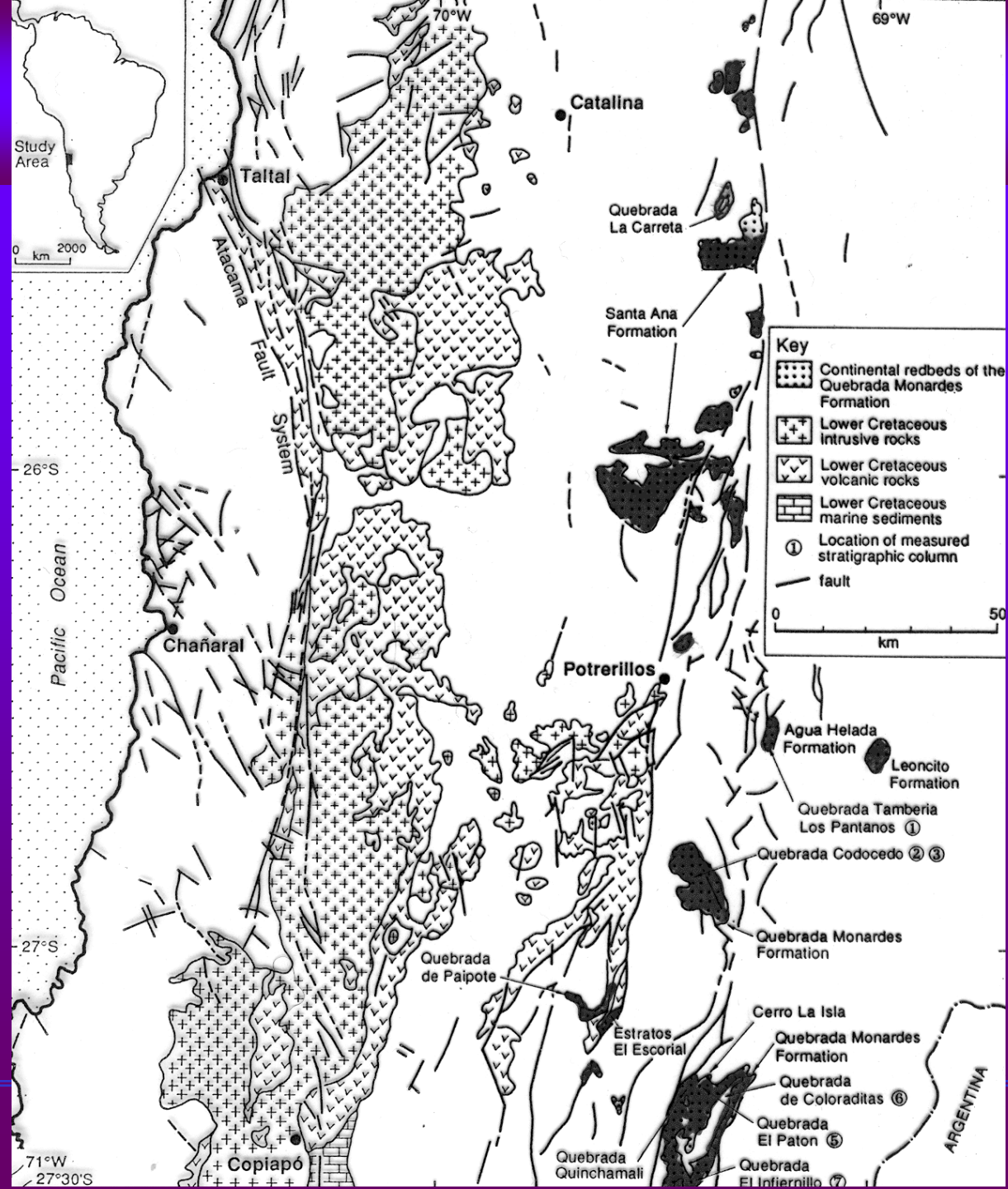






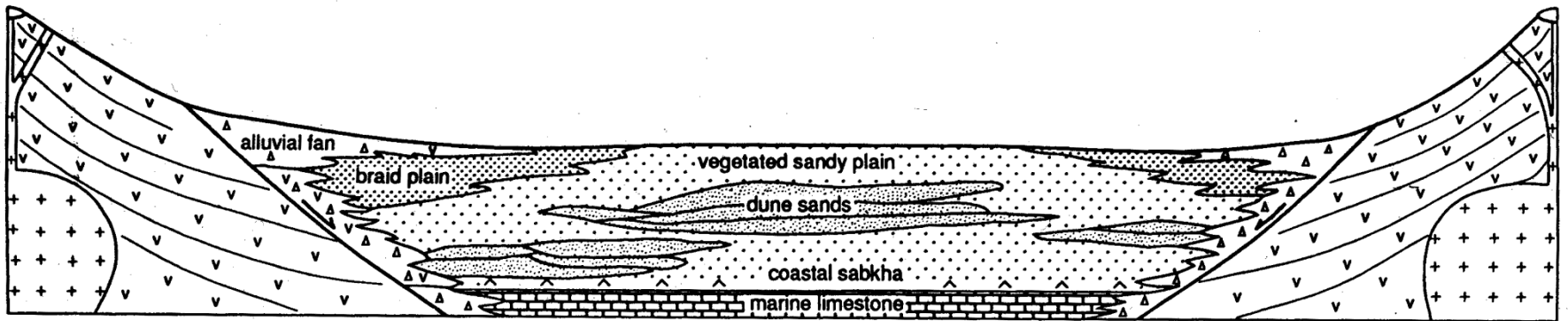
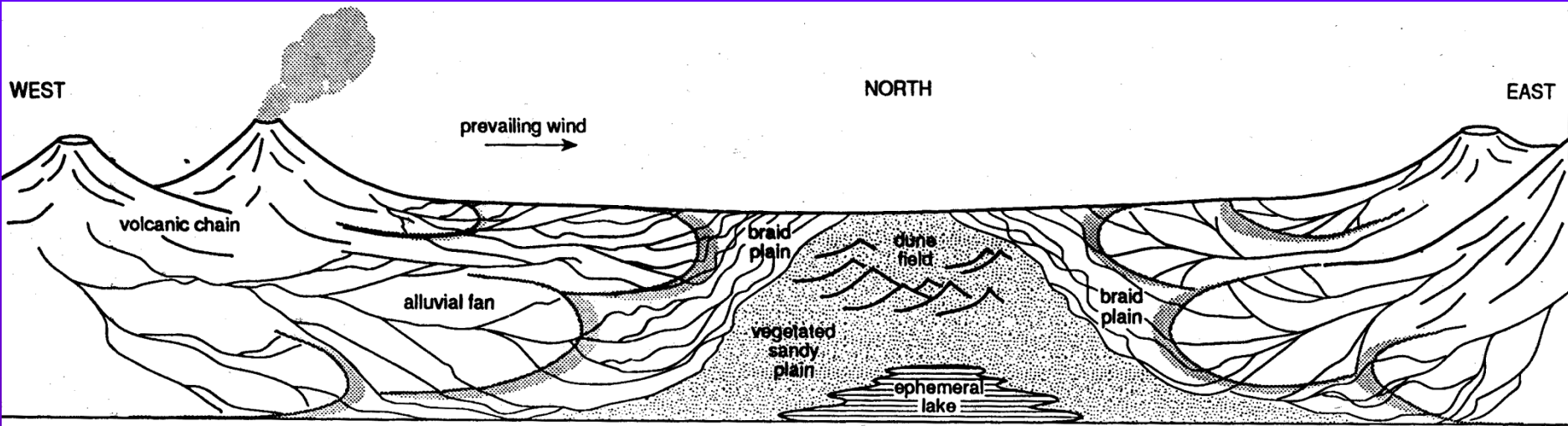
Back arc basins

# Intra-arc basins



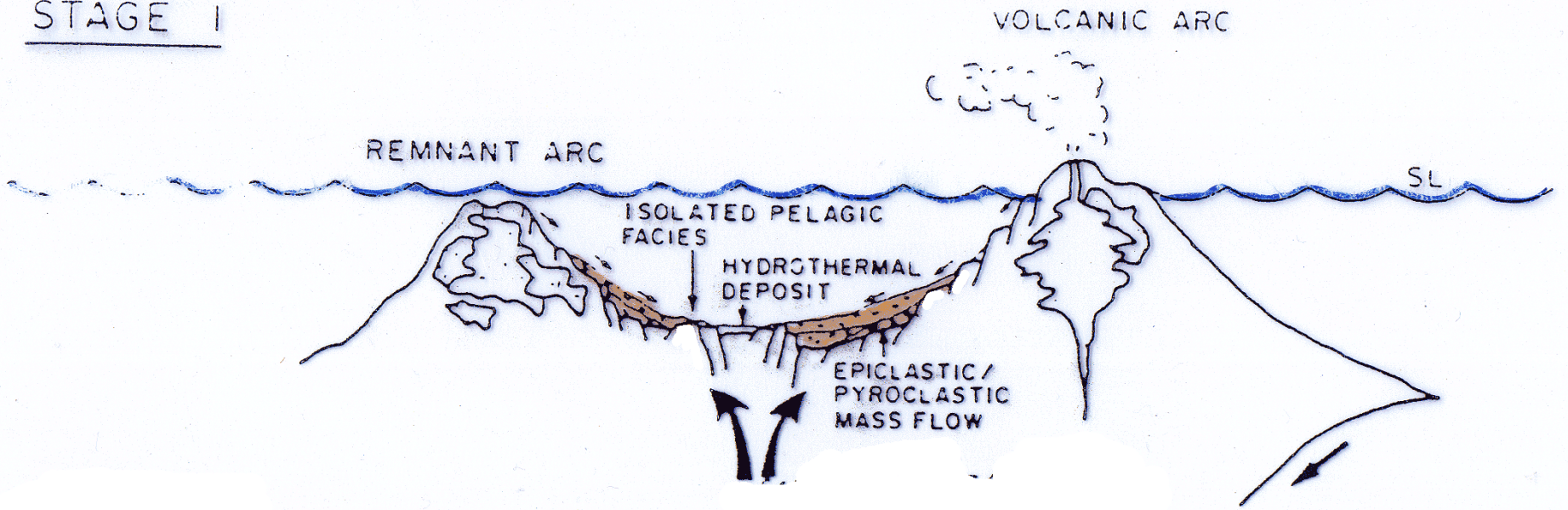
# Back arc basins

# Intra-arc basins

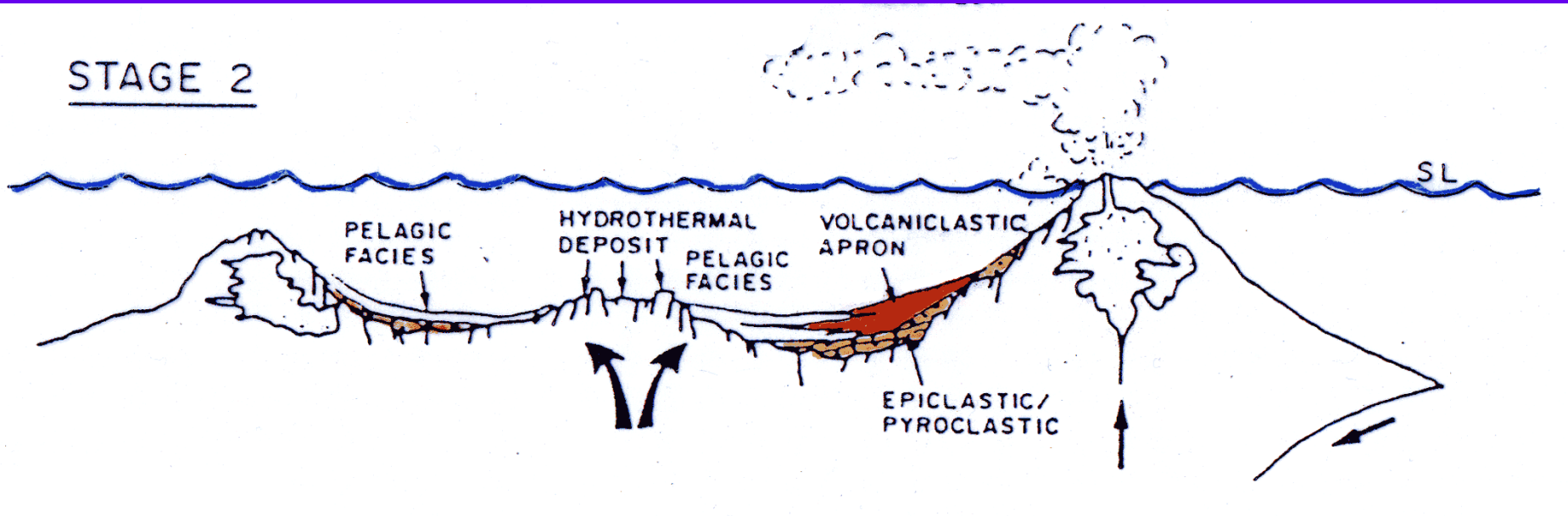


# Back-arc evolution

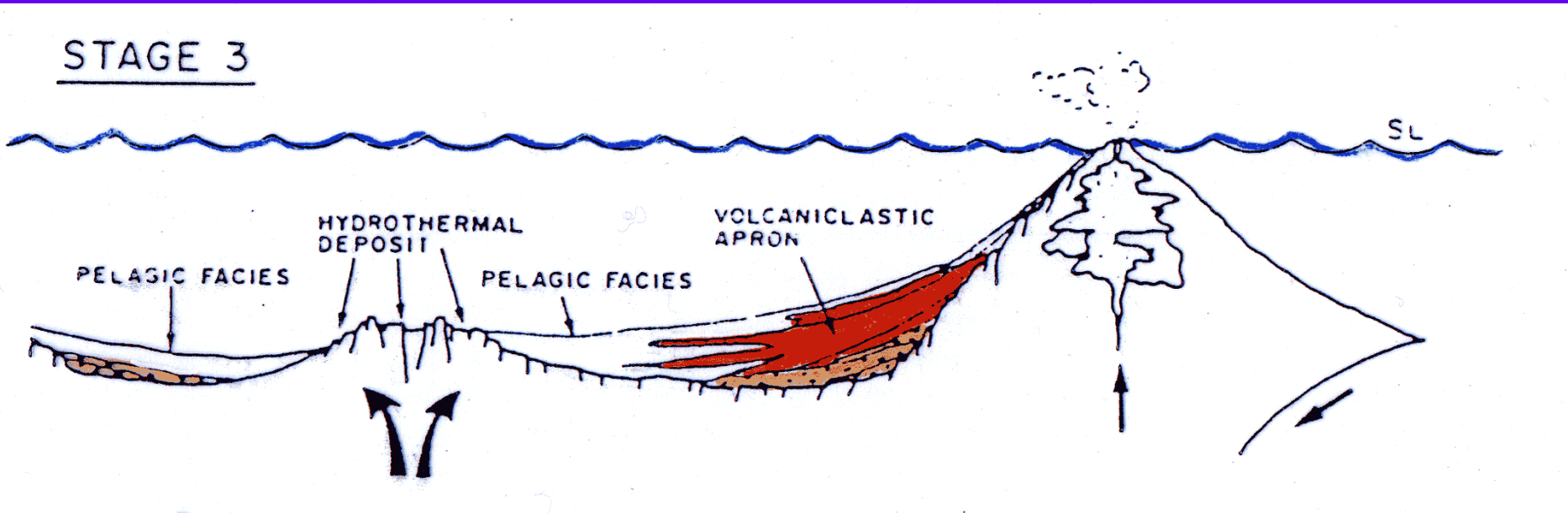
STAGE I



# Back-arc basin evolution

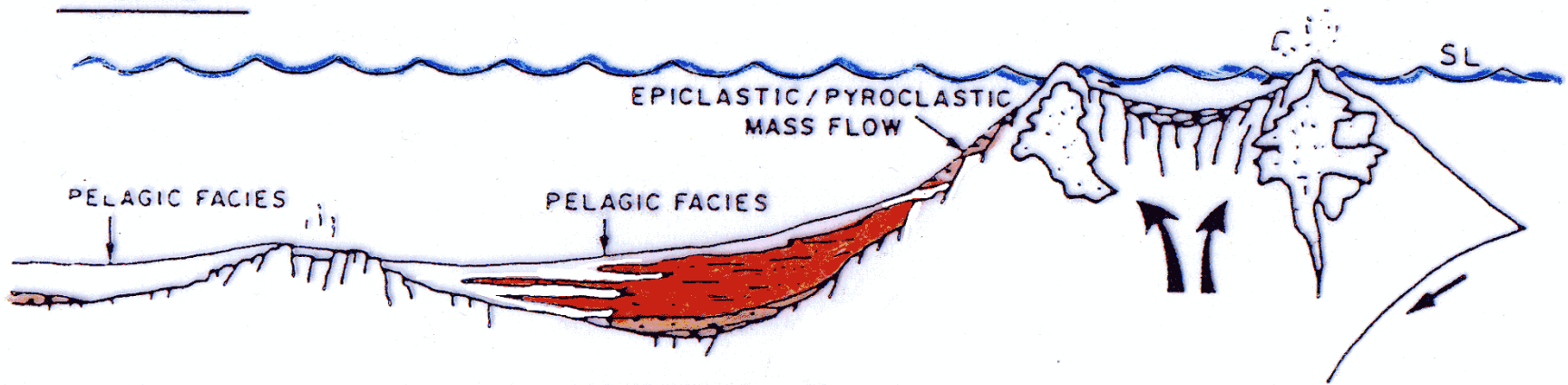


# Back-arc basin evolution

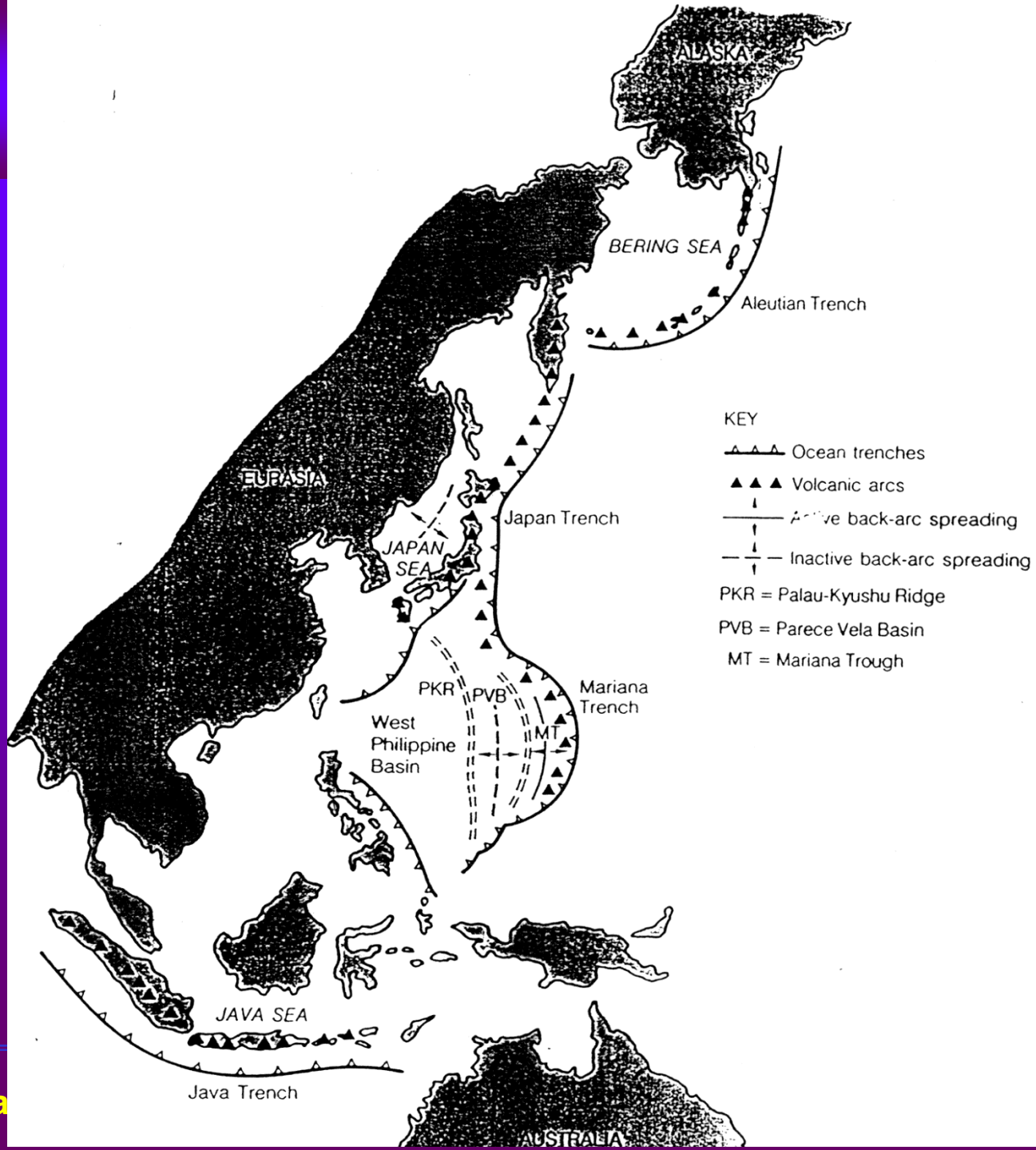


# Back-arc basin evolution

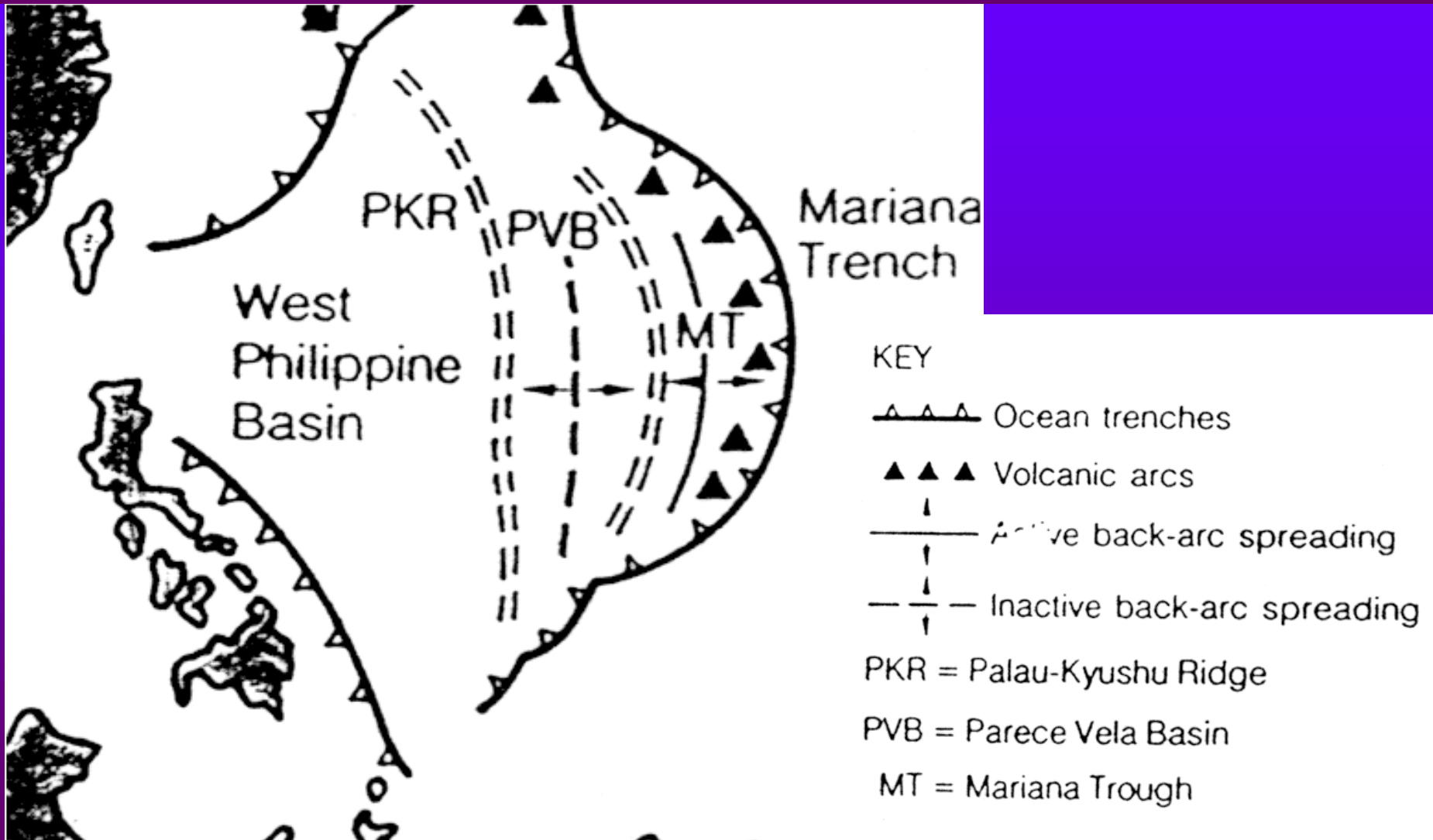
## STAGE 4



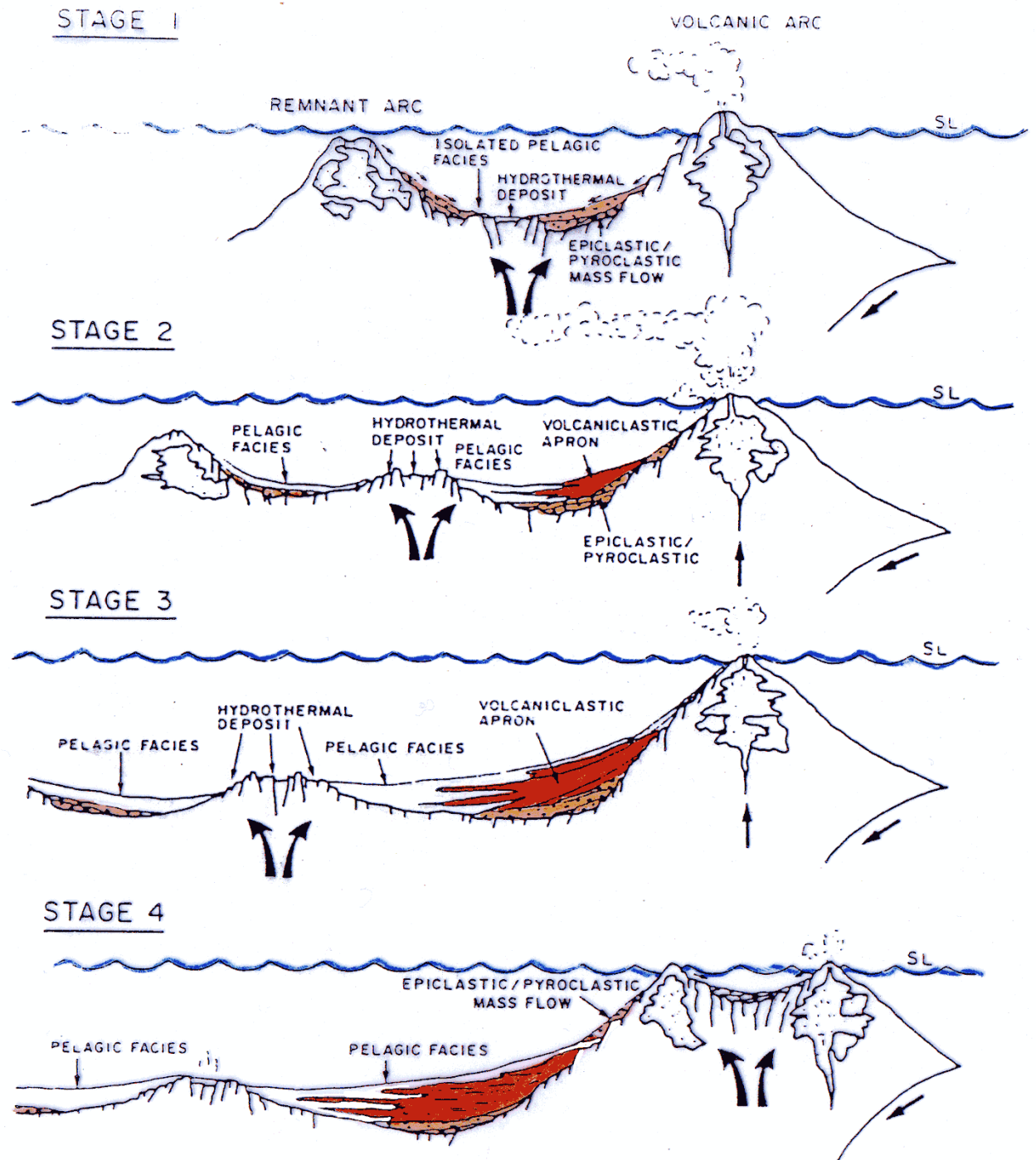




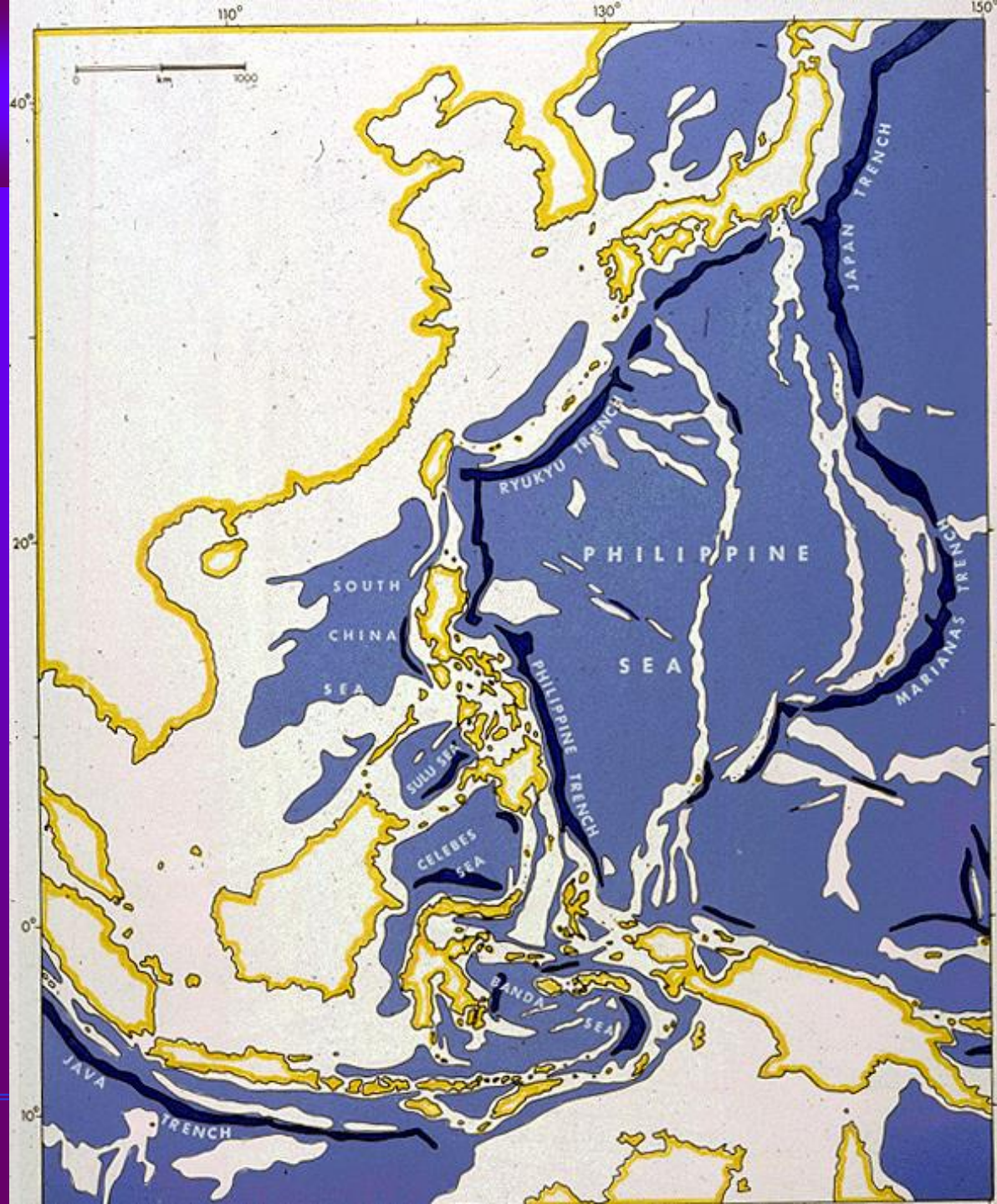
# Back-arc basin evolution



# Back-arc basins

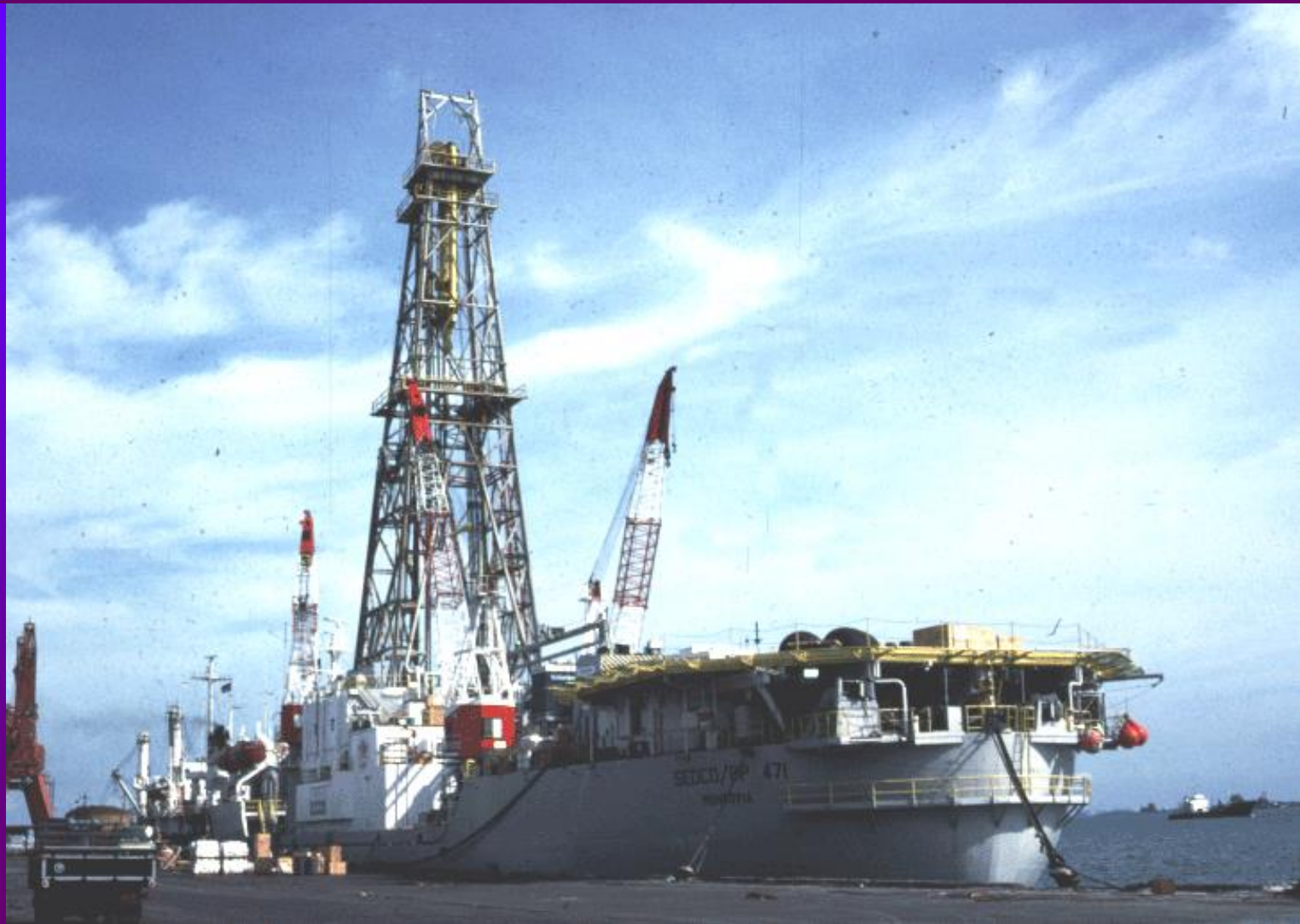


Back arc basins

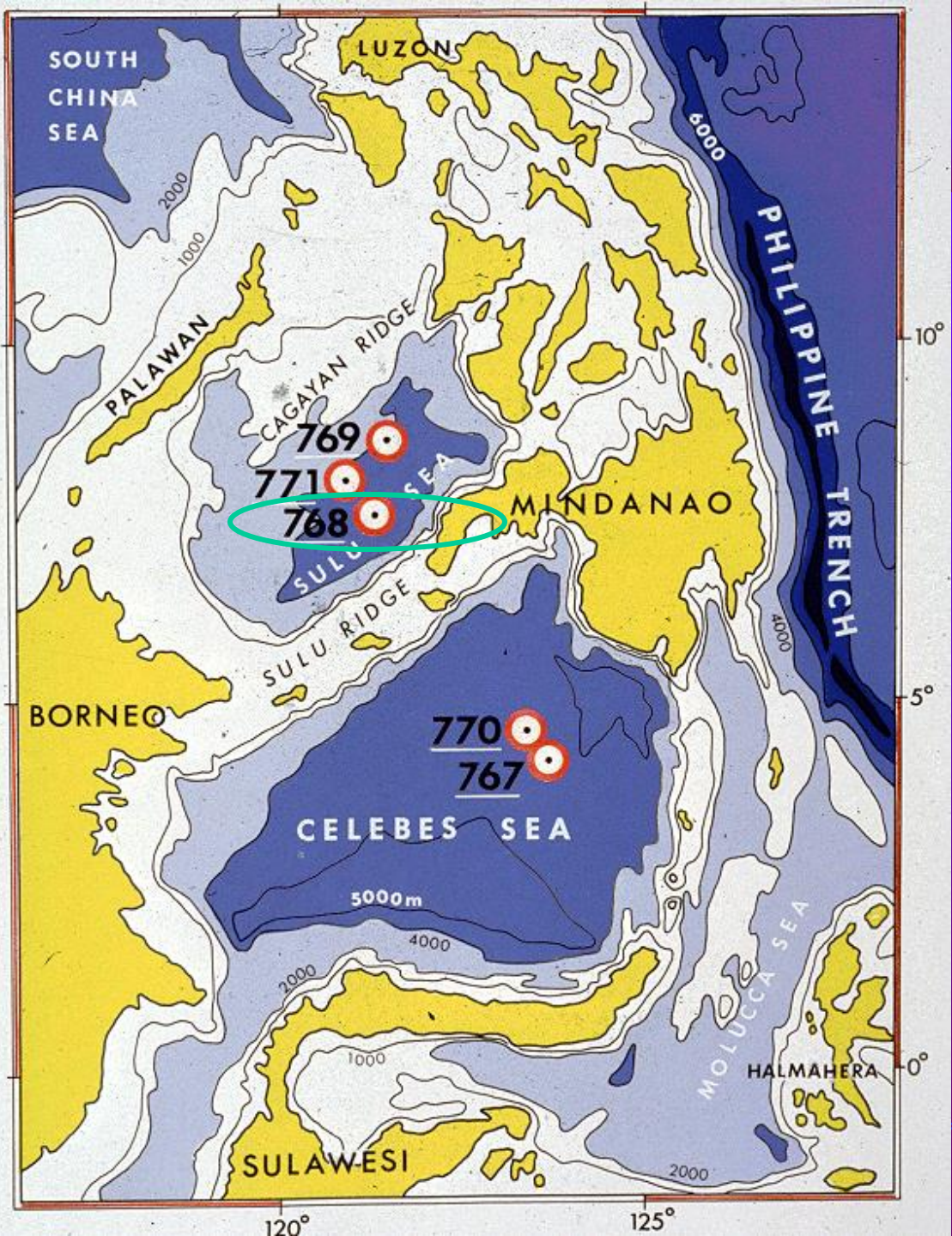


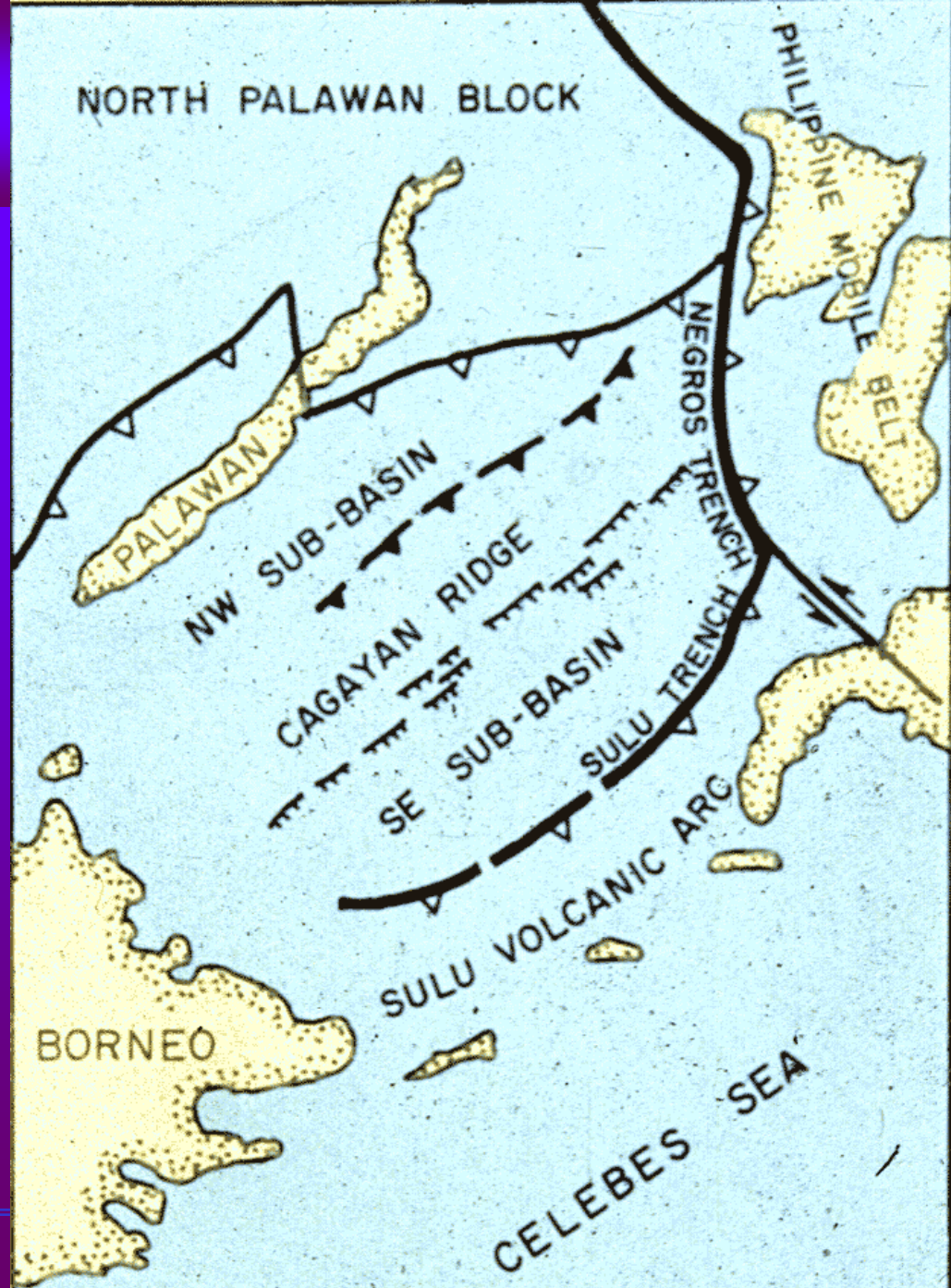
Back arc basins

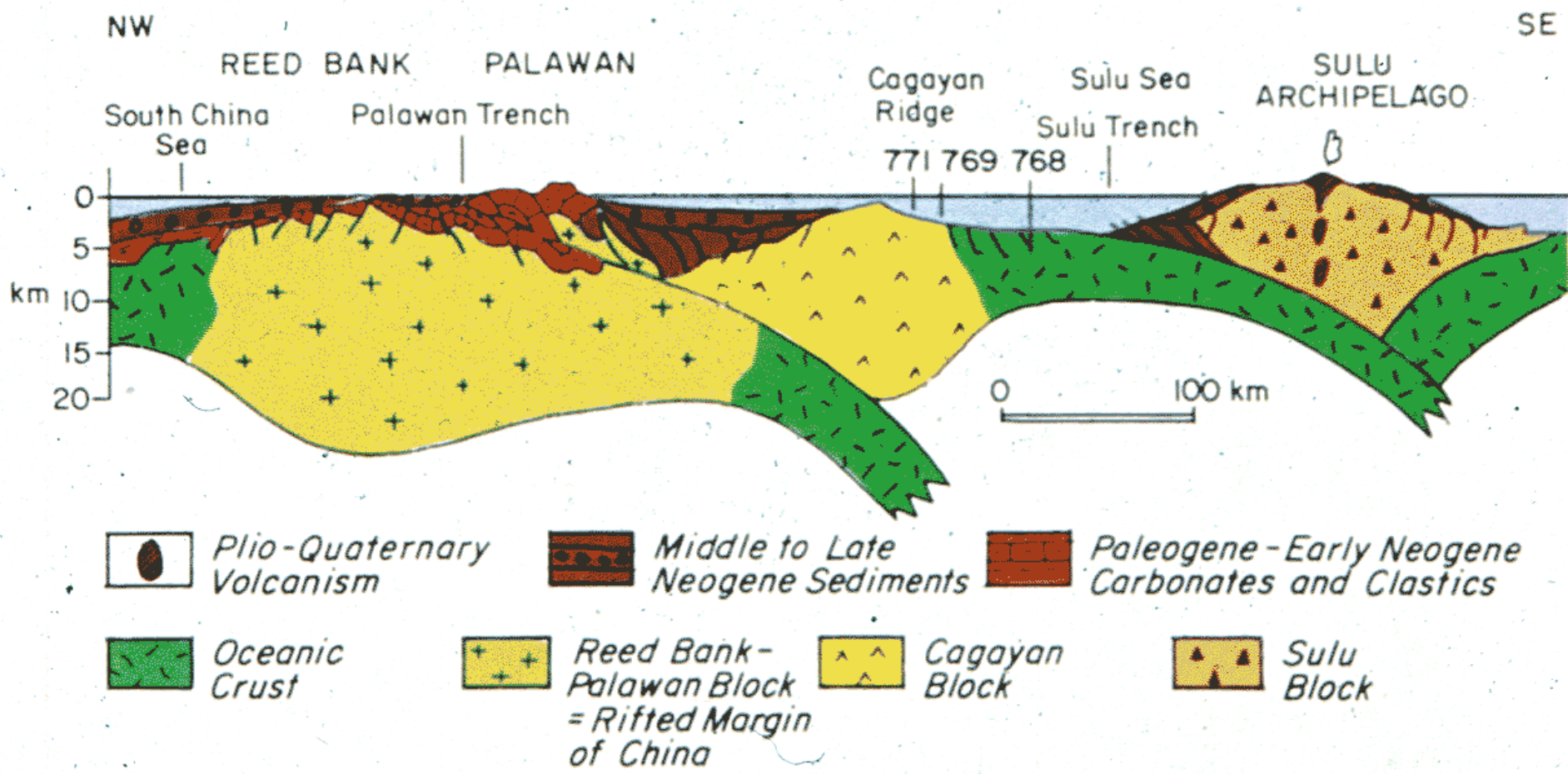
# ODP Leg 124: Joides Resolution



# ODP Leg 124

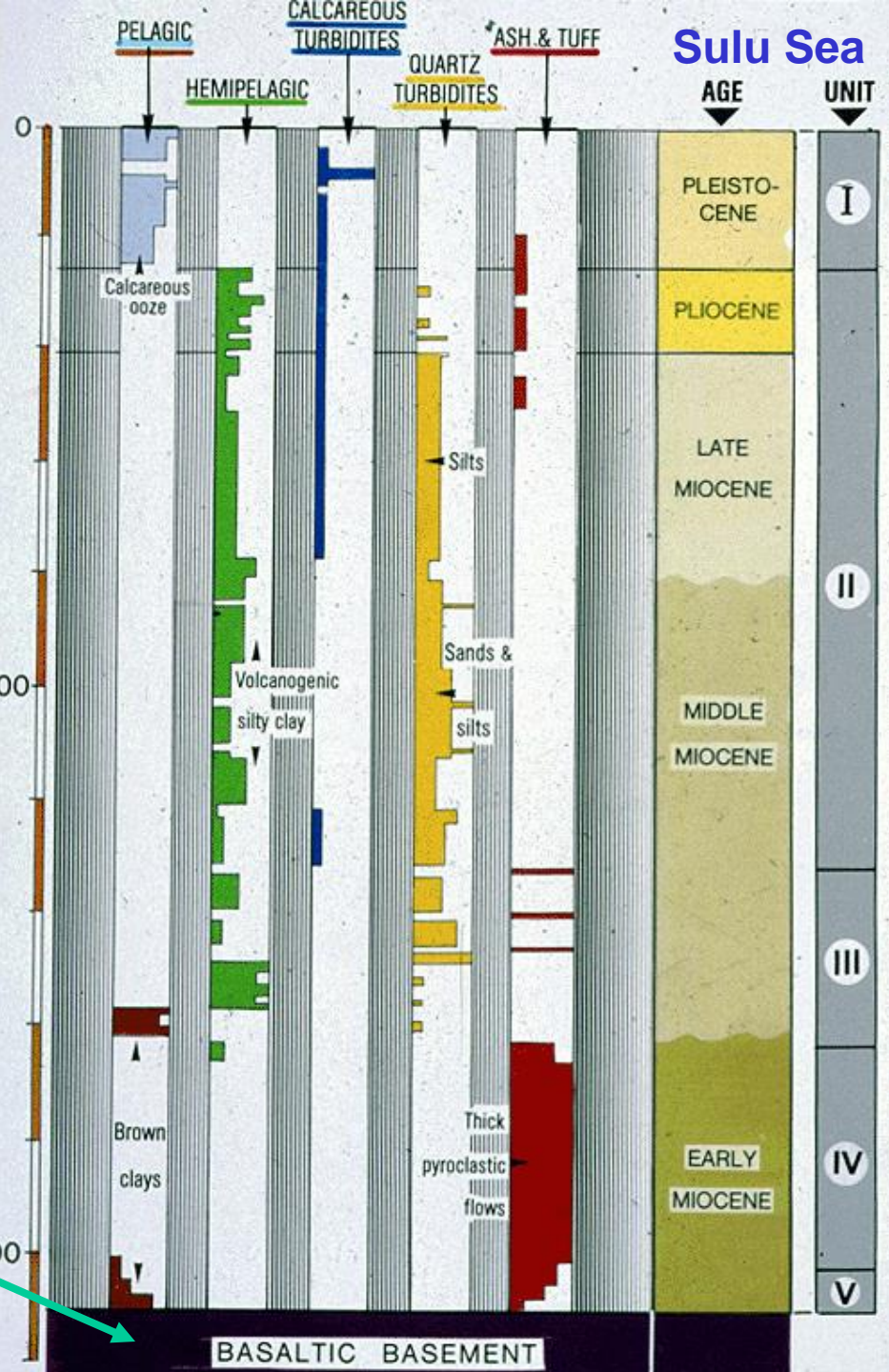








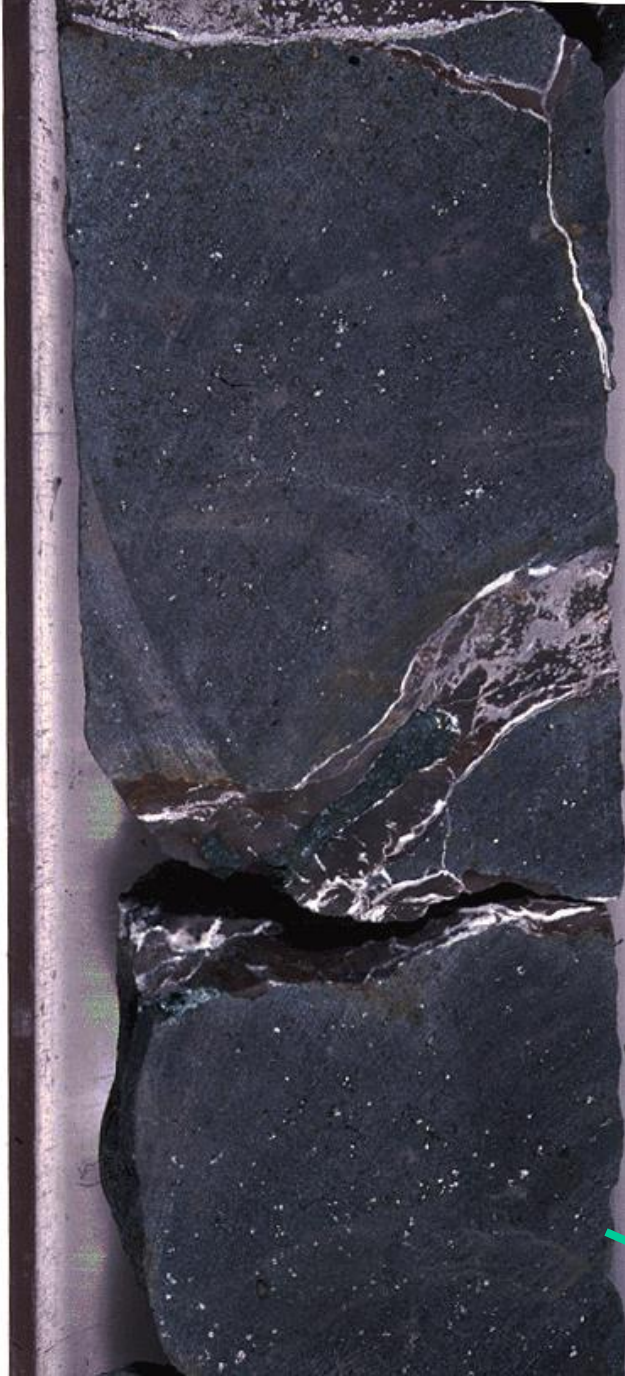
# Sulu Sea



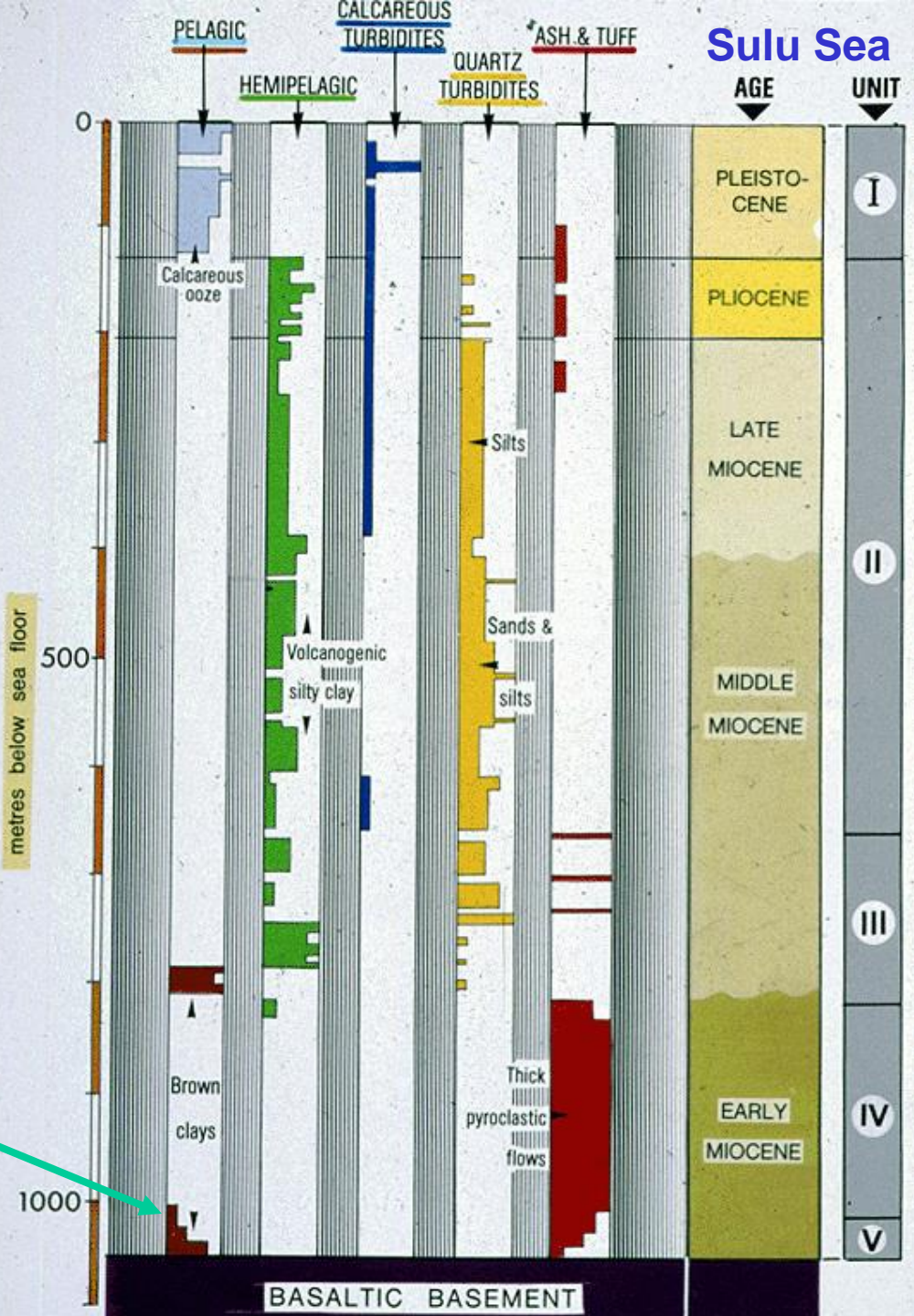
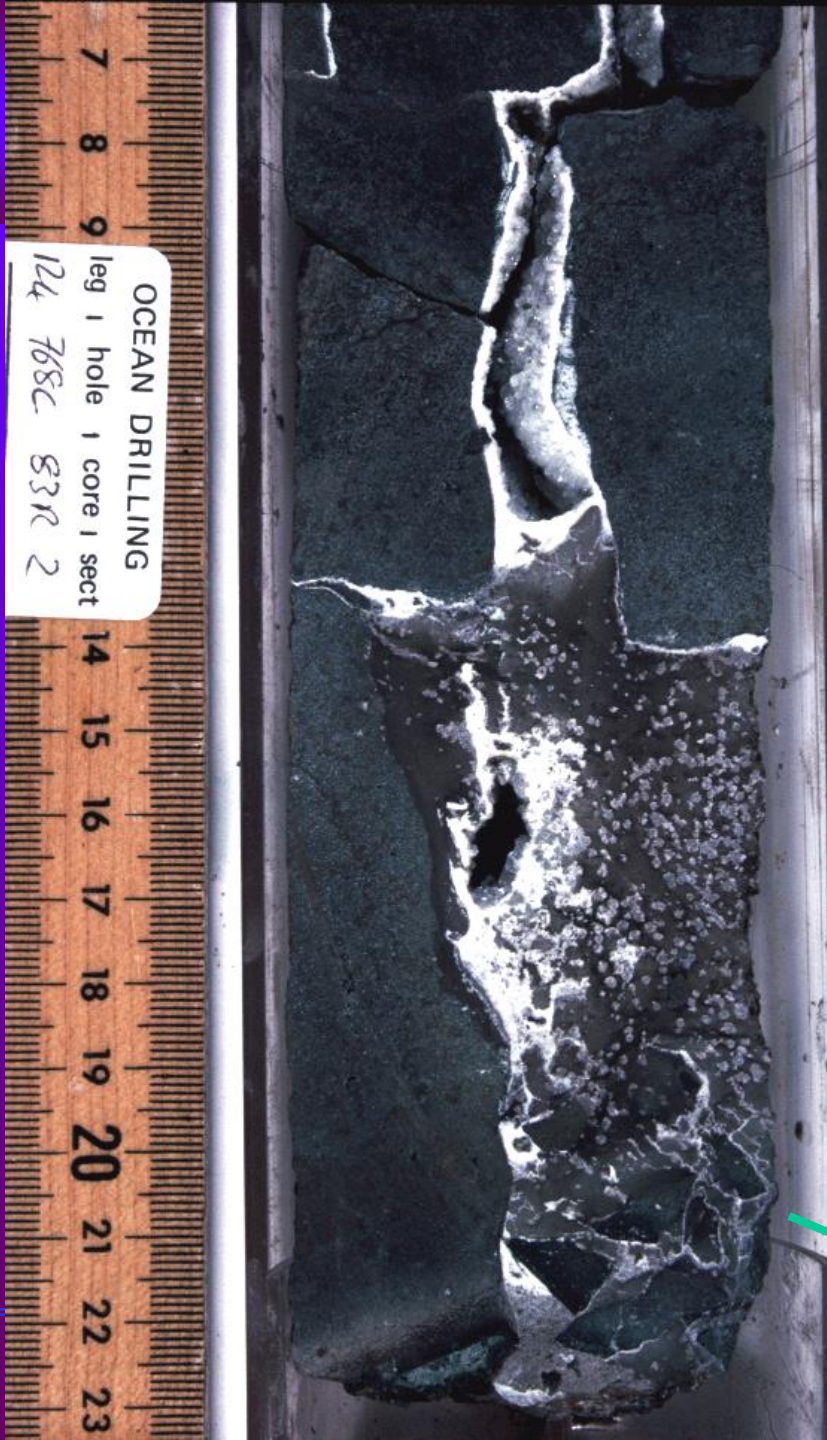
OCEAN DRILLING

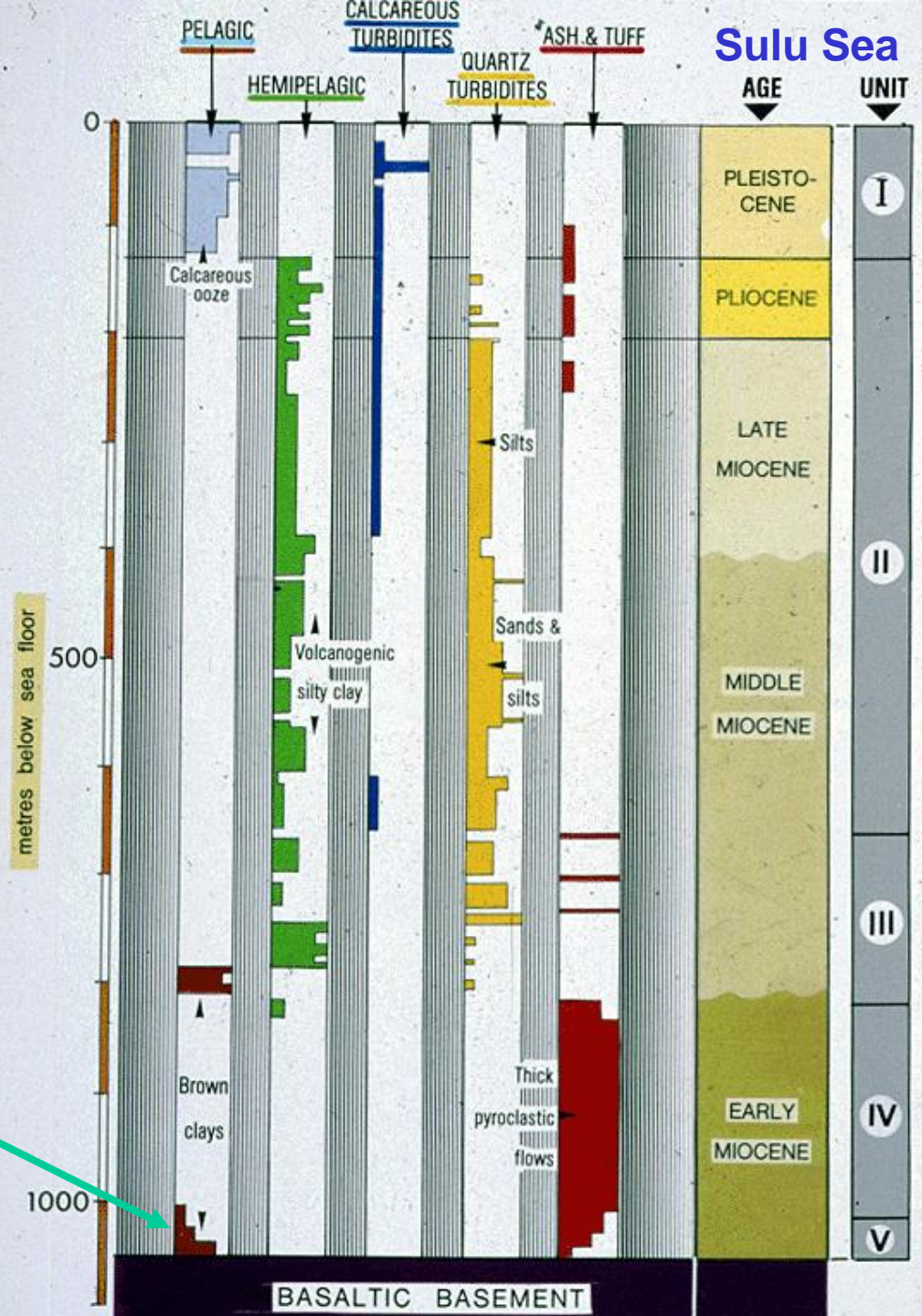
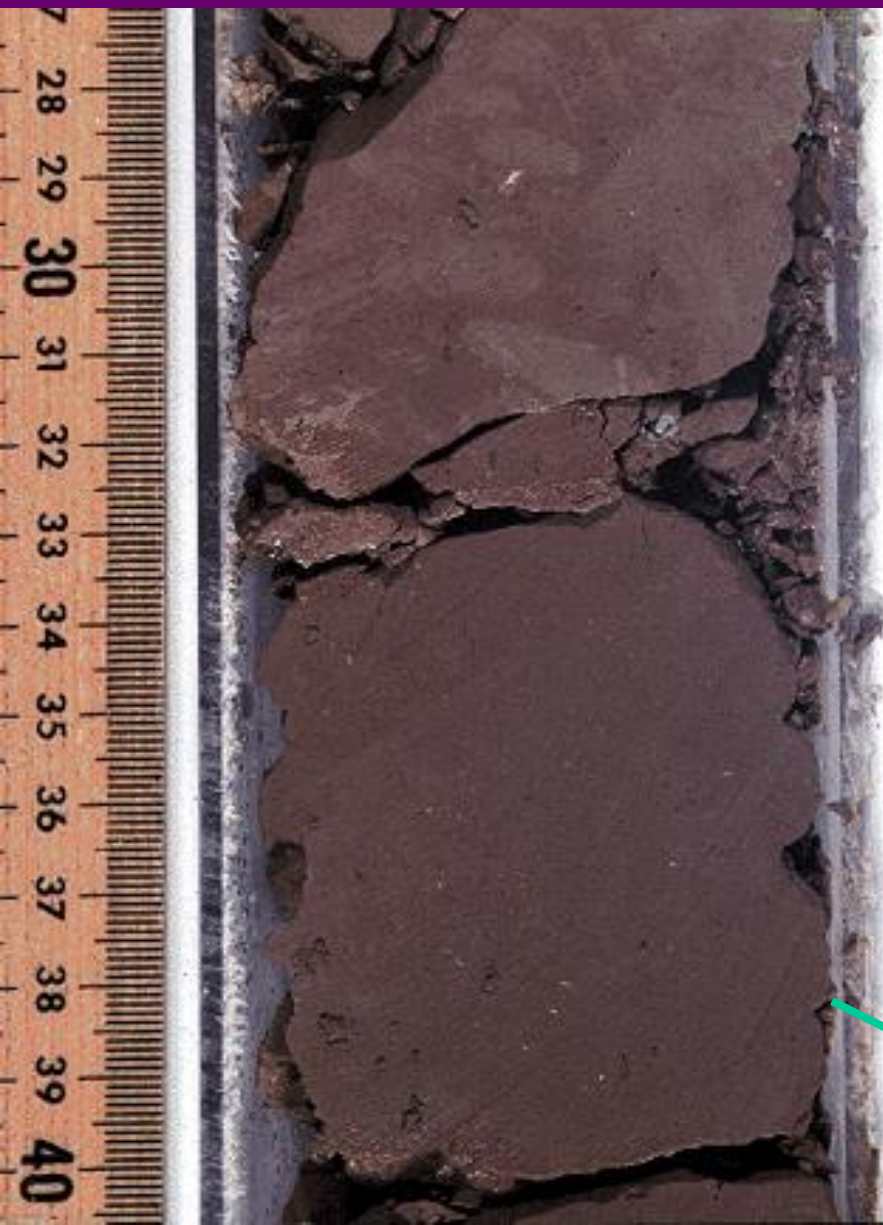
g | hole | core | sect

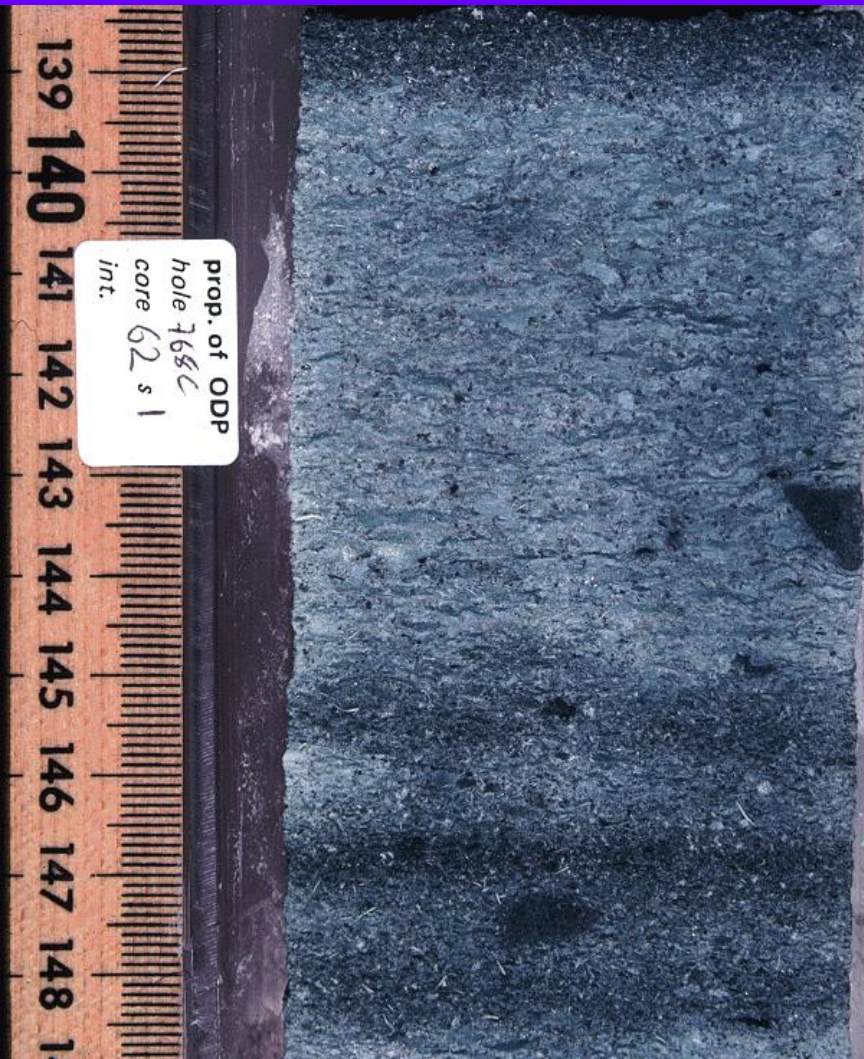
4 768C 74 2



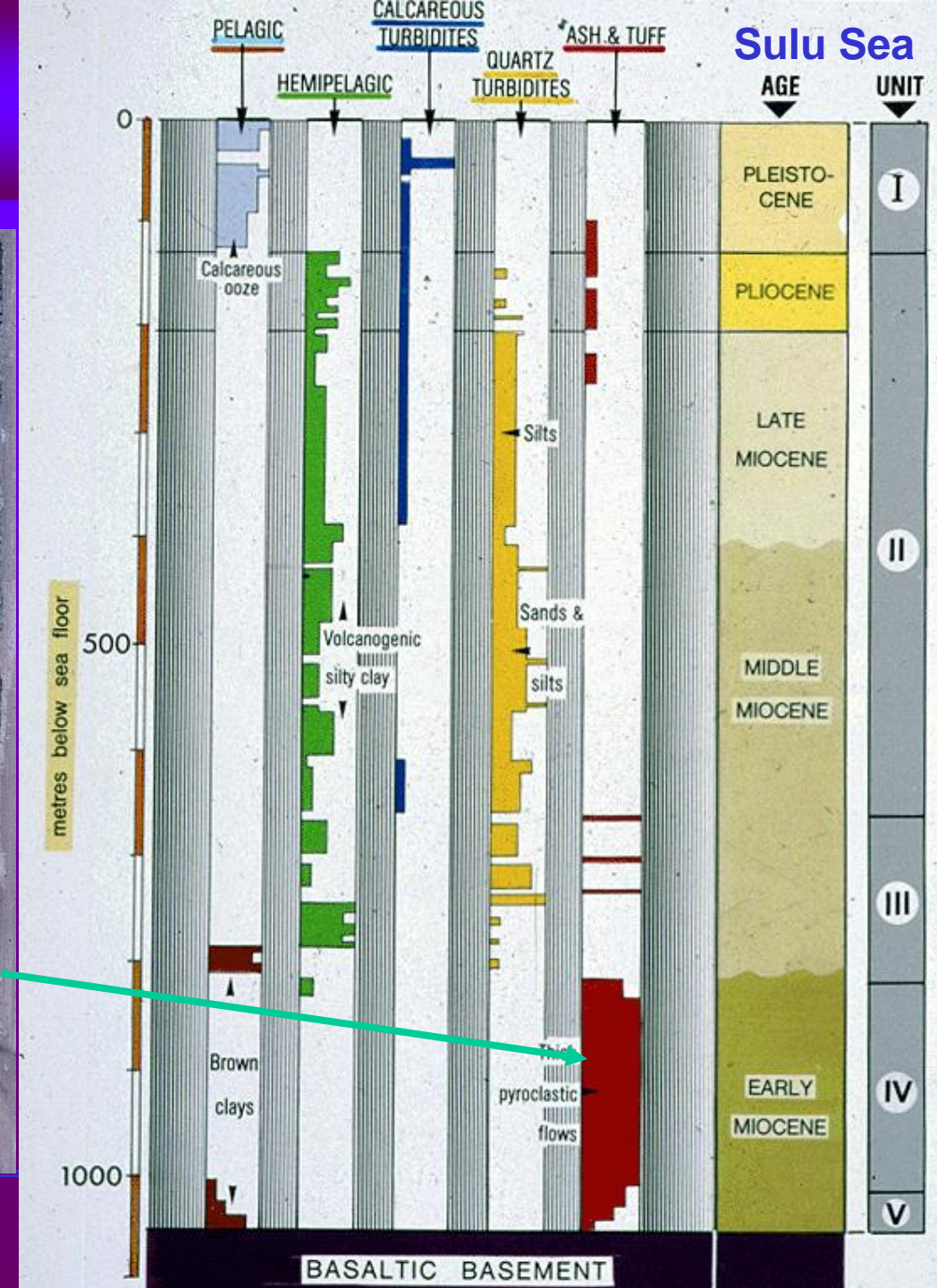
OCEAN DRILLING  
 leg 1 hole 1 core 1 sect  
 124 768C 83R 2





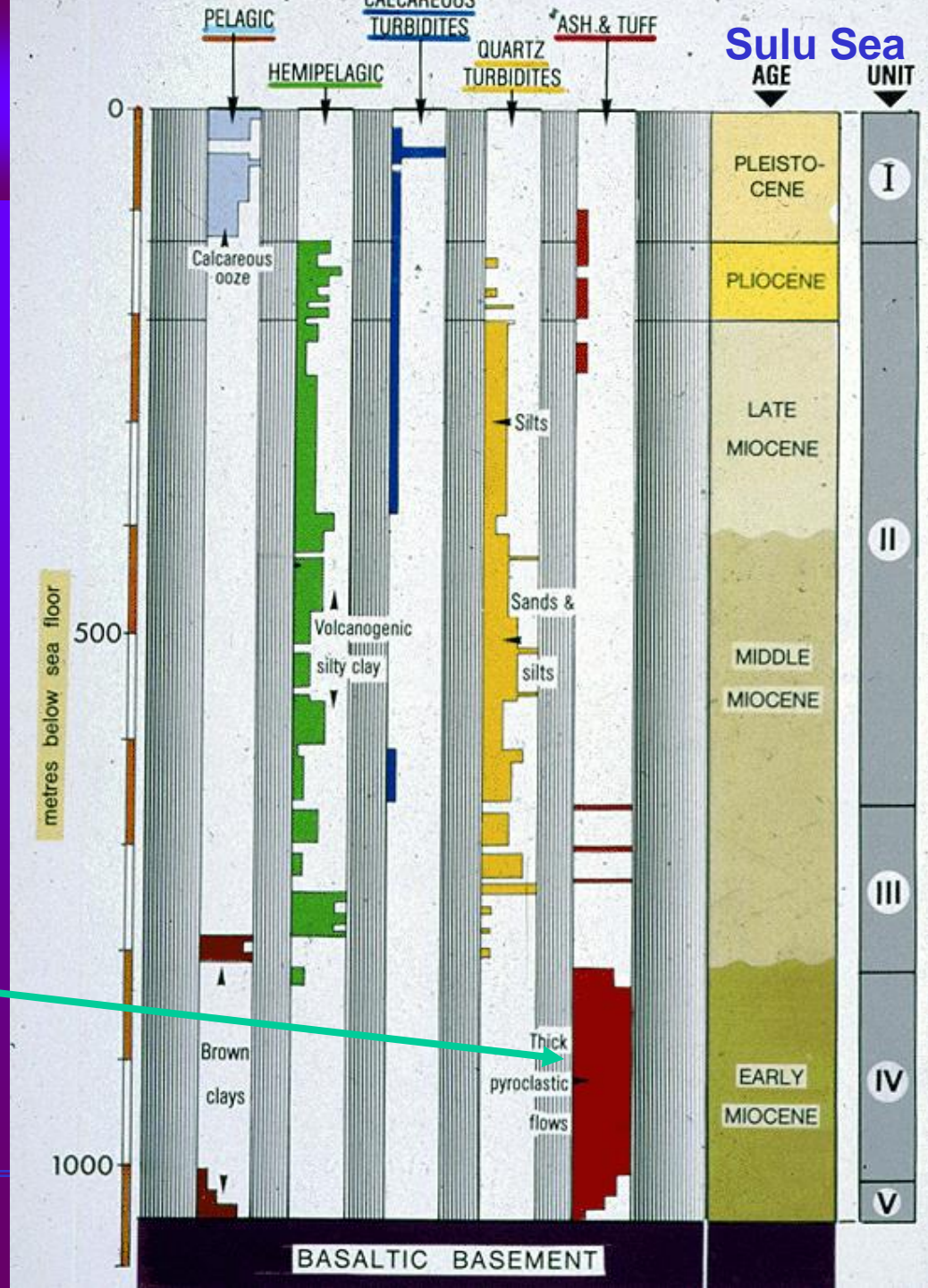


Back arc basins



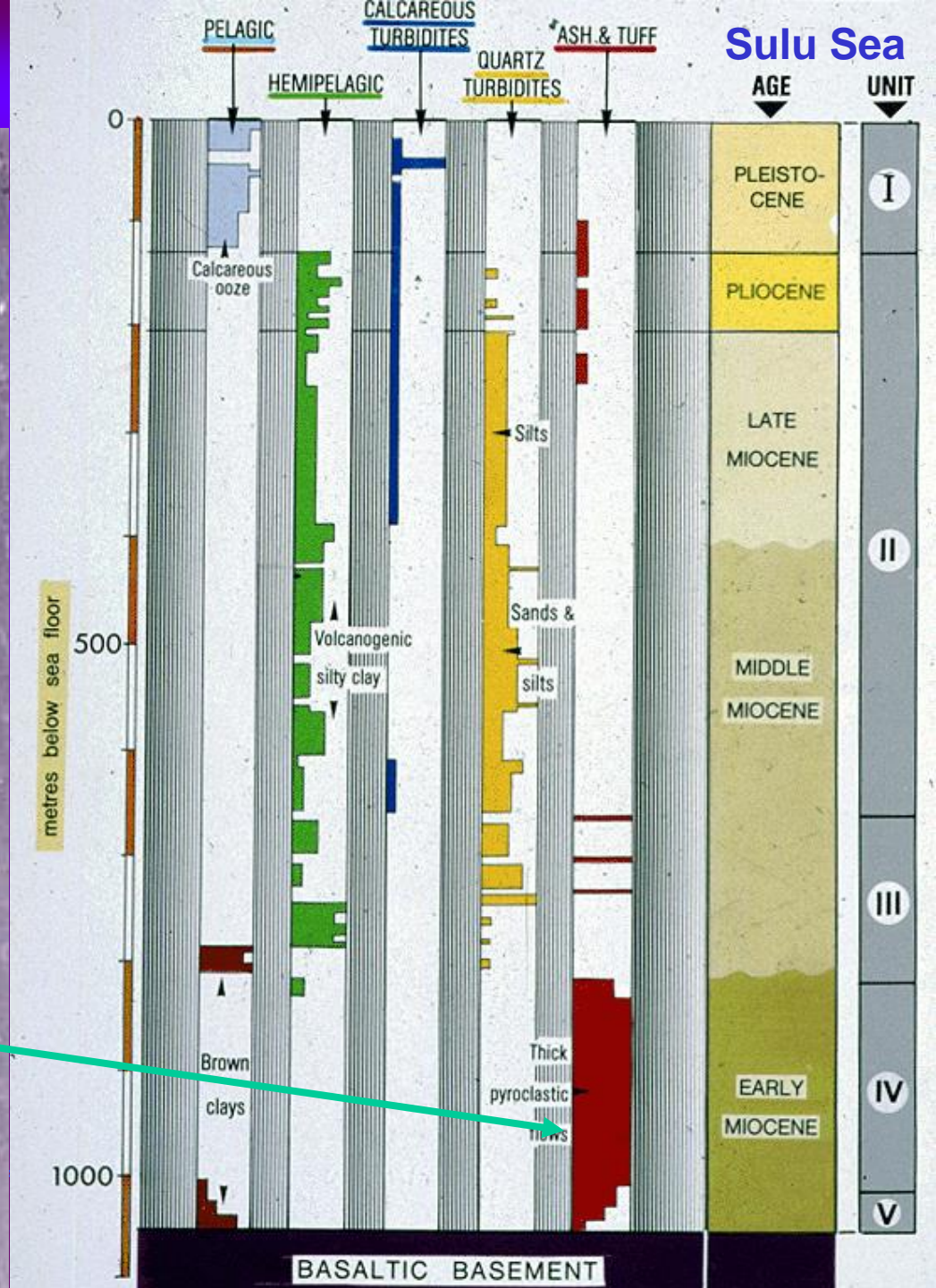


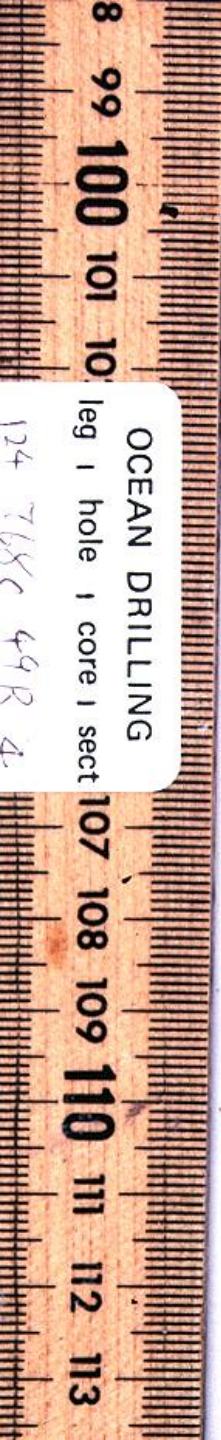
Bac



OCEAN DRILLING  
 leg 1 hole 1 core 1 sect  
 024 768C 56R 5

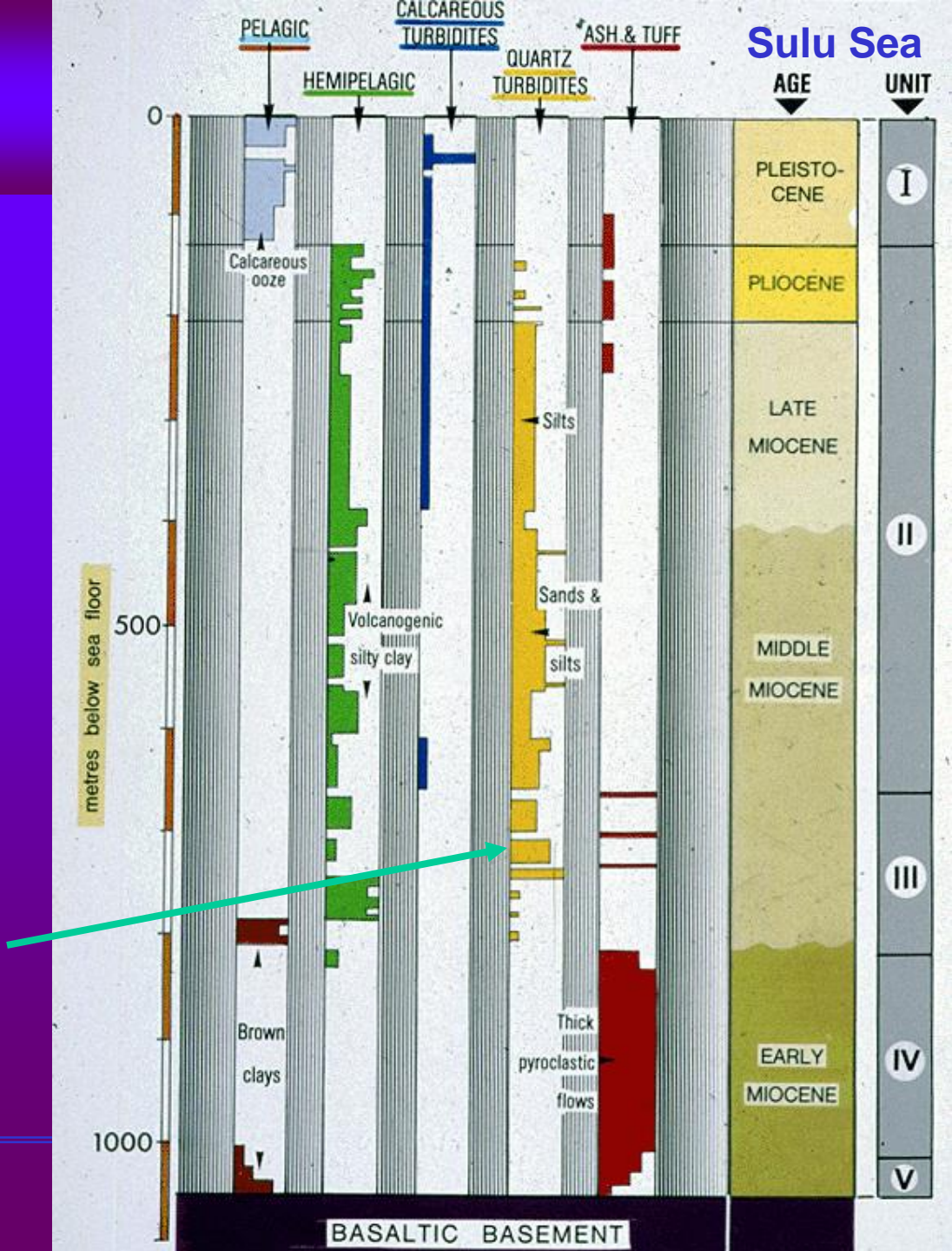
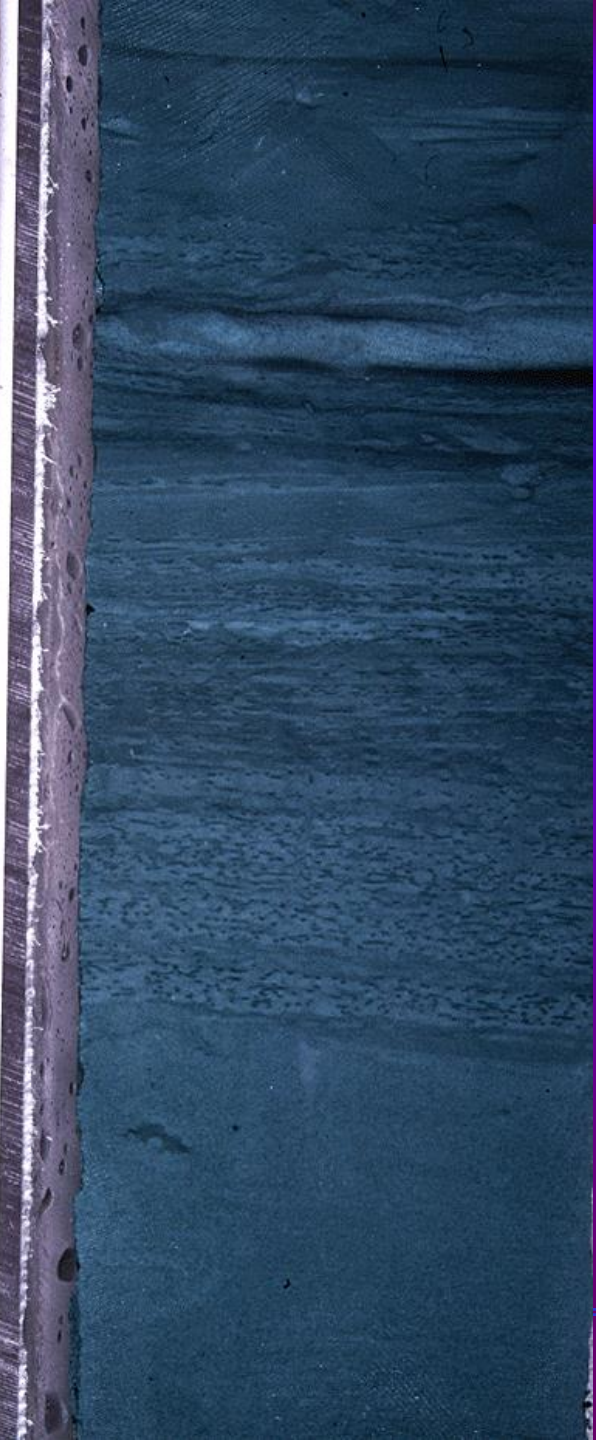
98 99 100 101 102 103 104 105



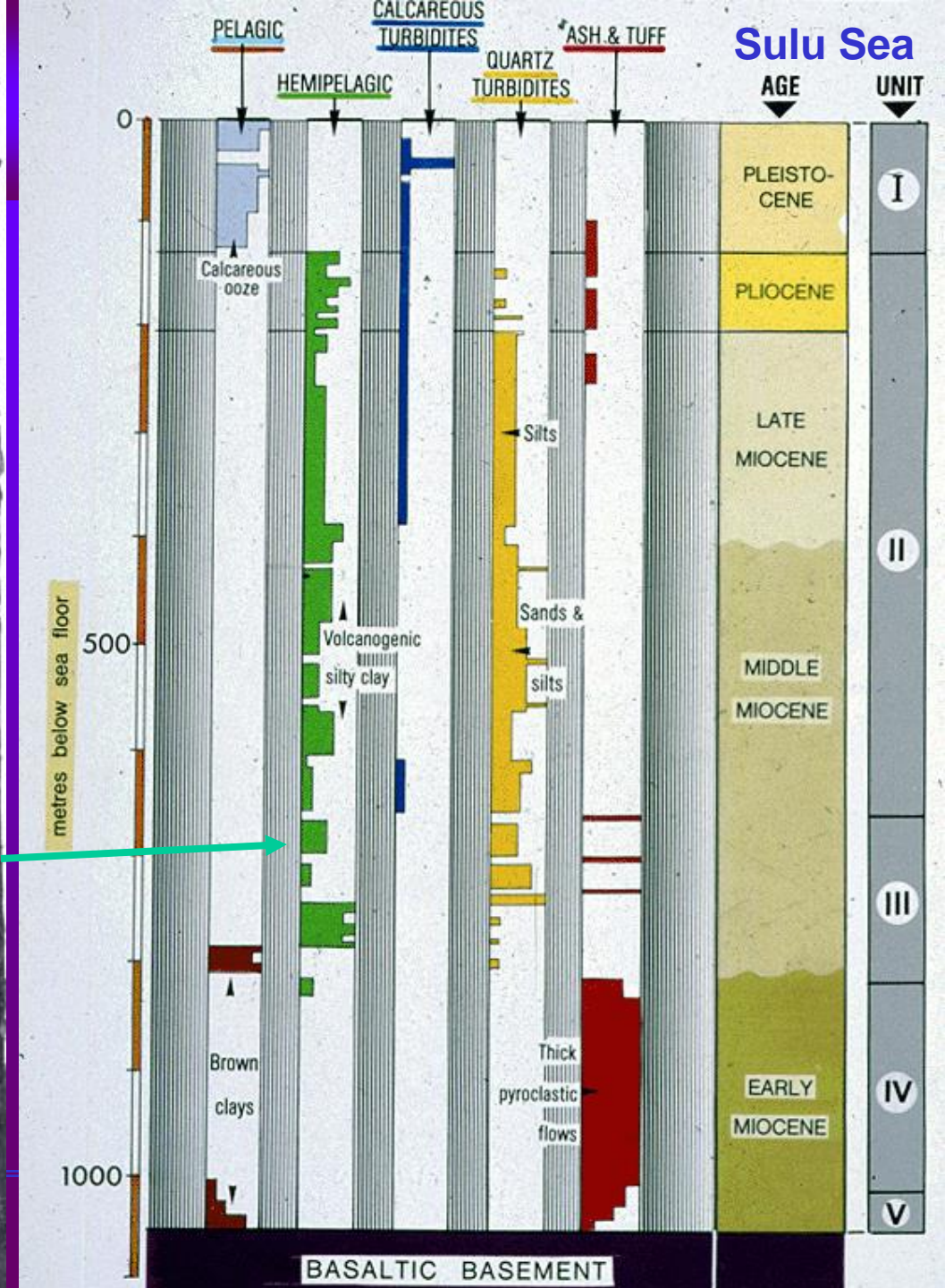
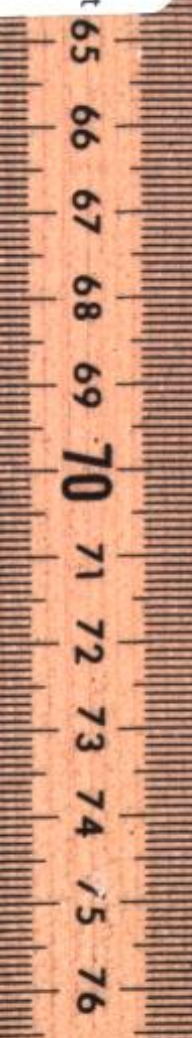


OCEAN DRILLING  
leg | hole | core | sect

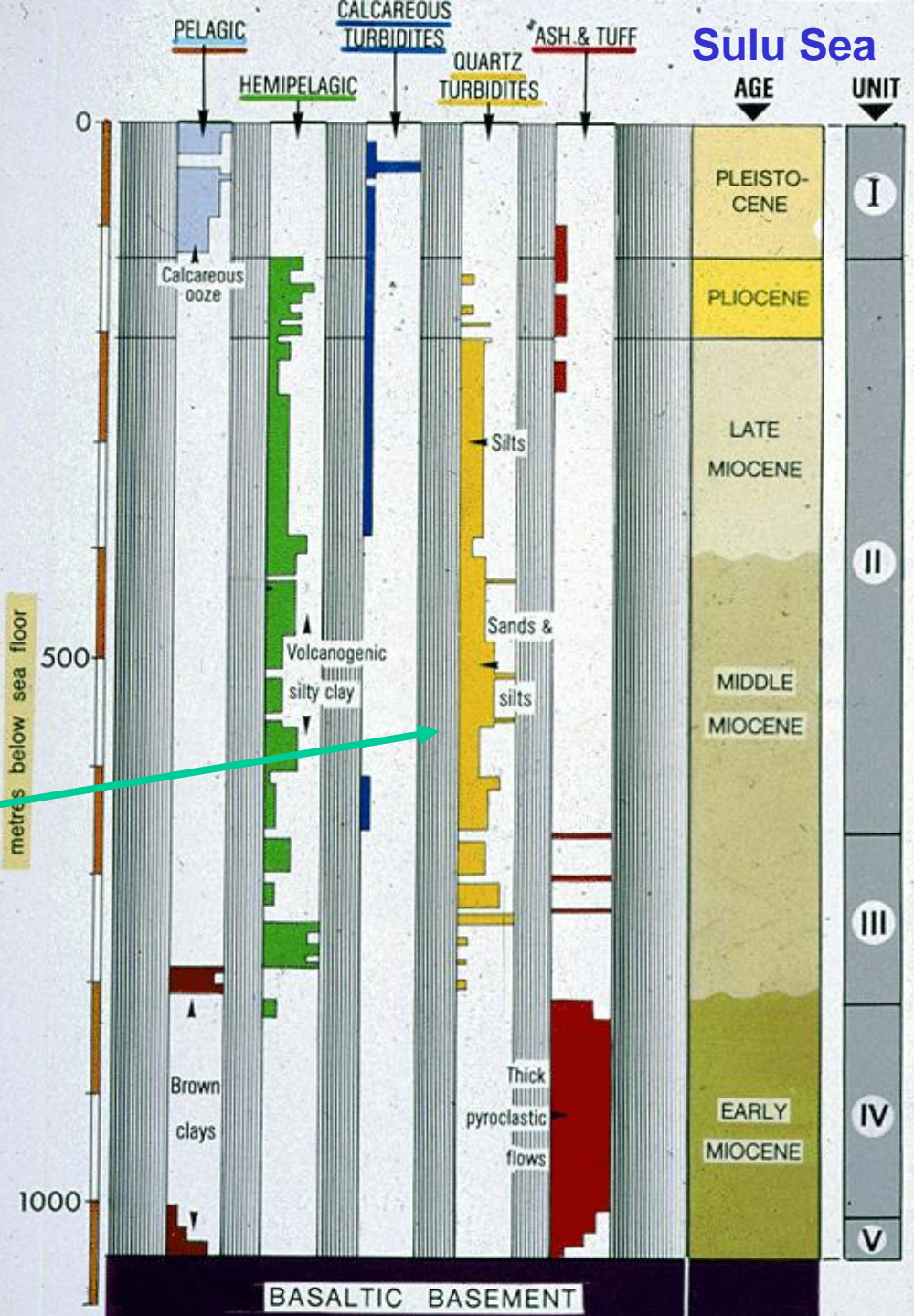
124 768C 49R A

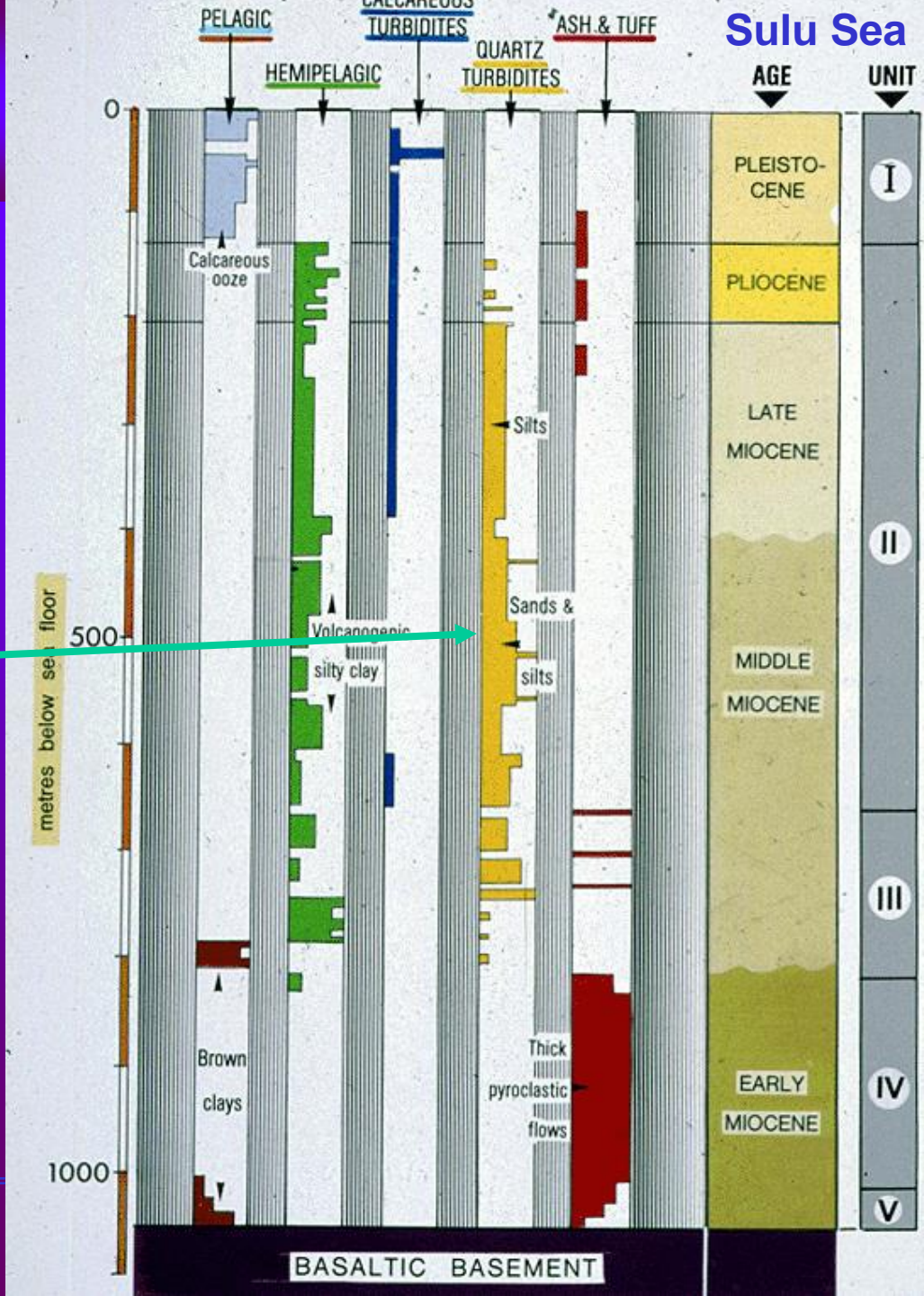


OCEAN DRILLING  
 leg 1 hole 1 core 1 sect  
 124 768C 441



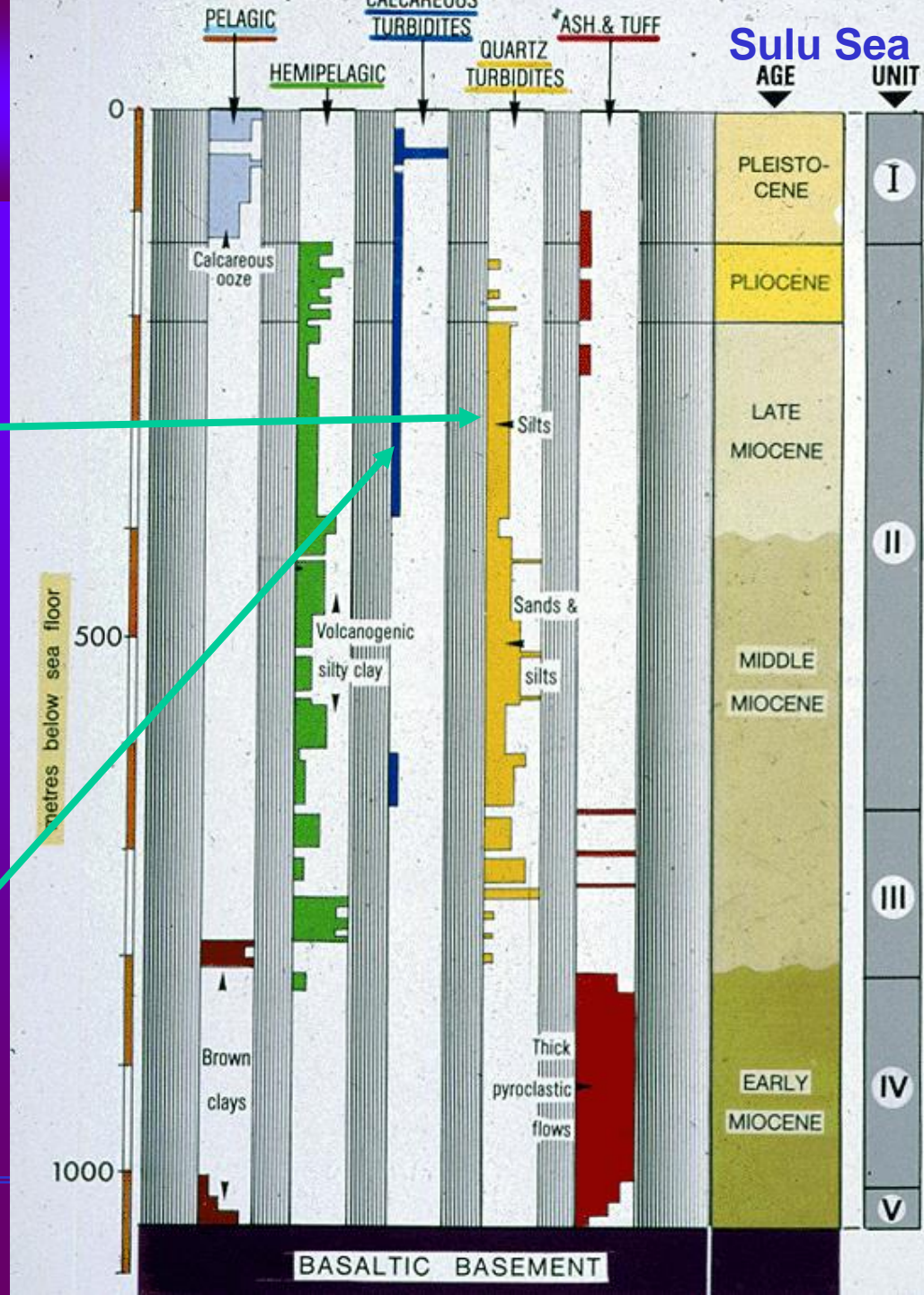




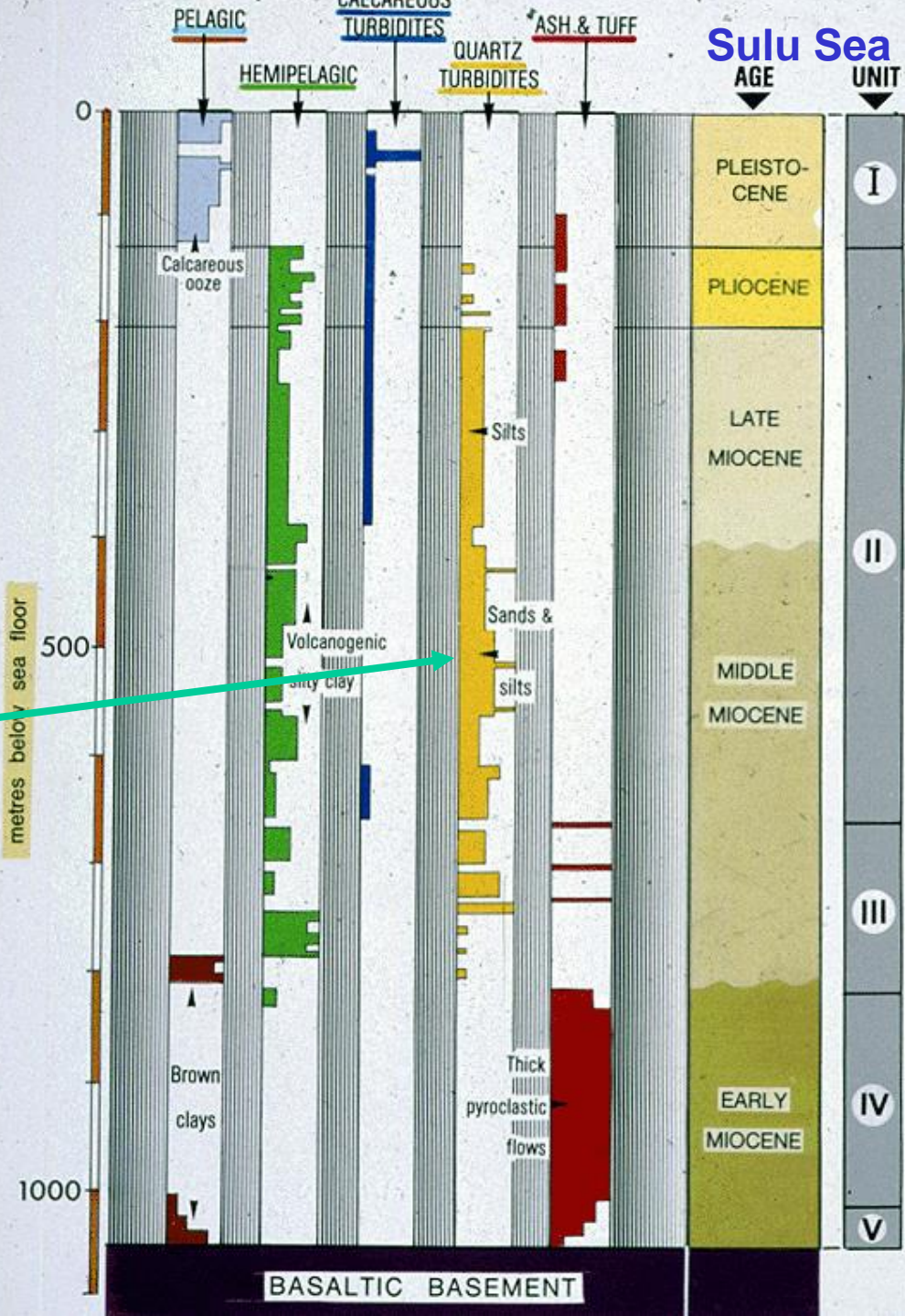
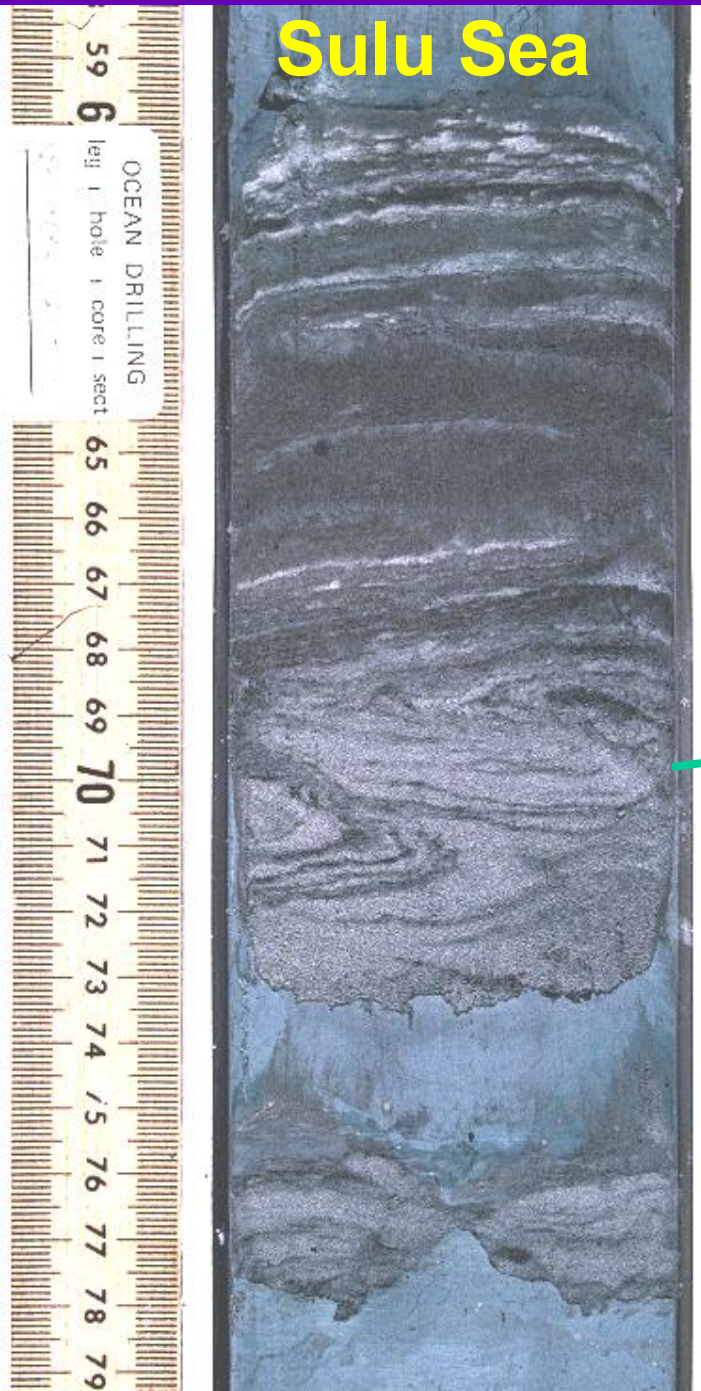


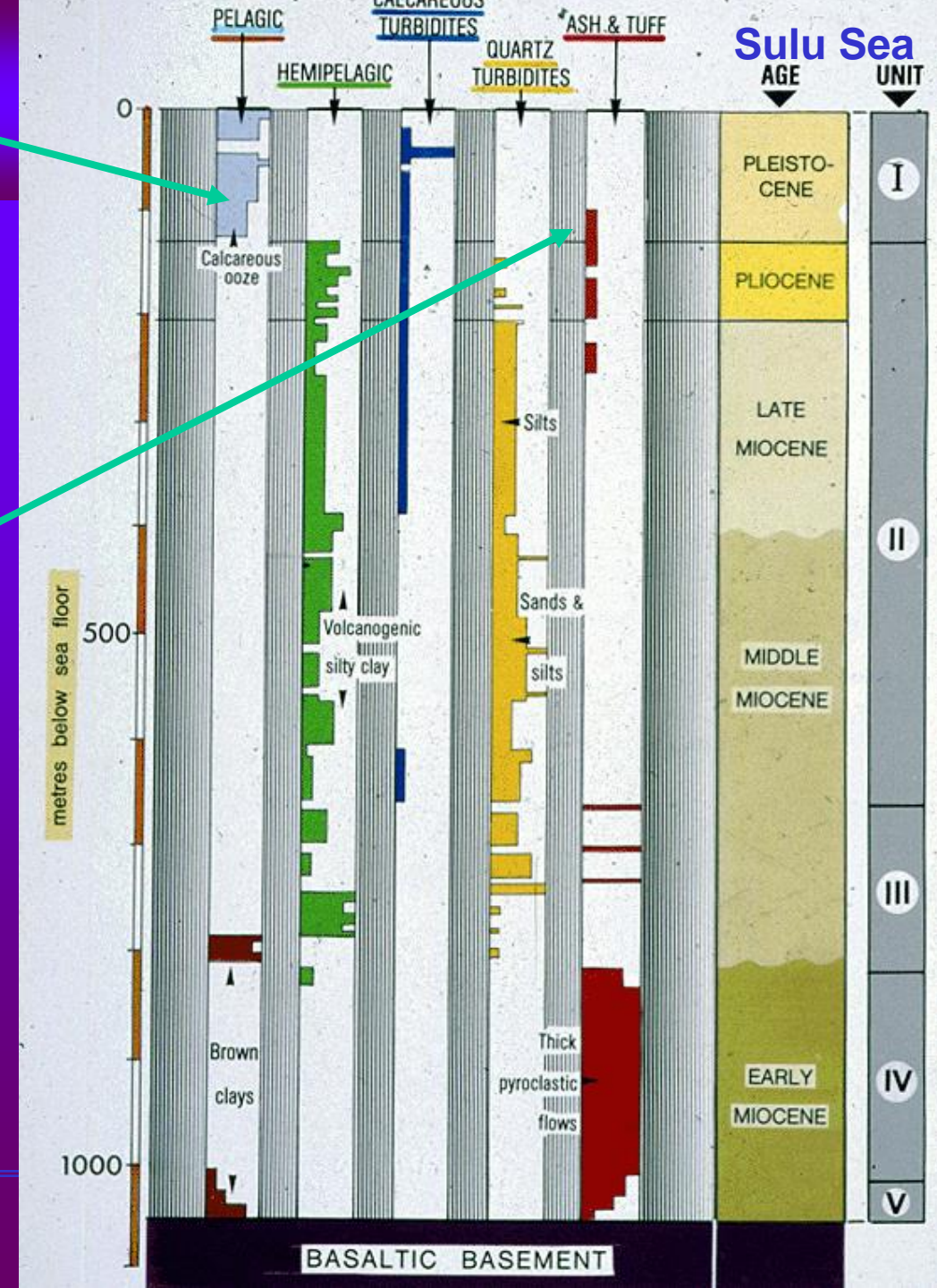
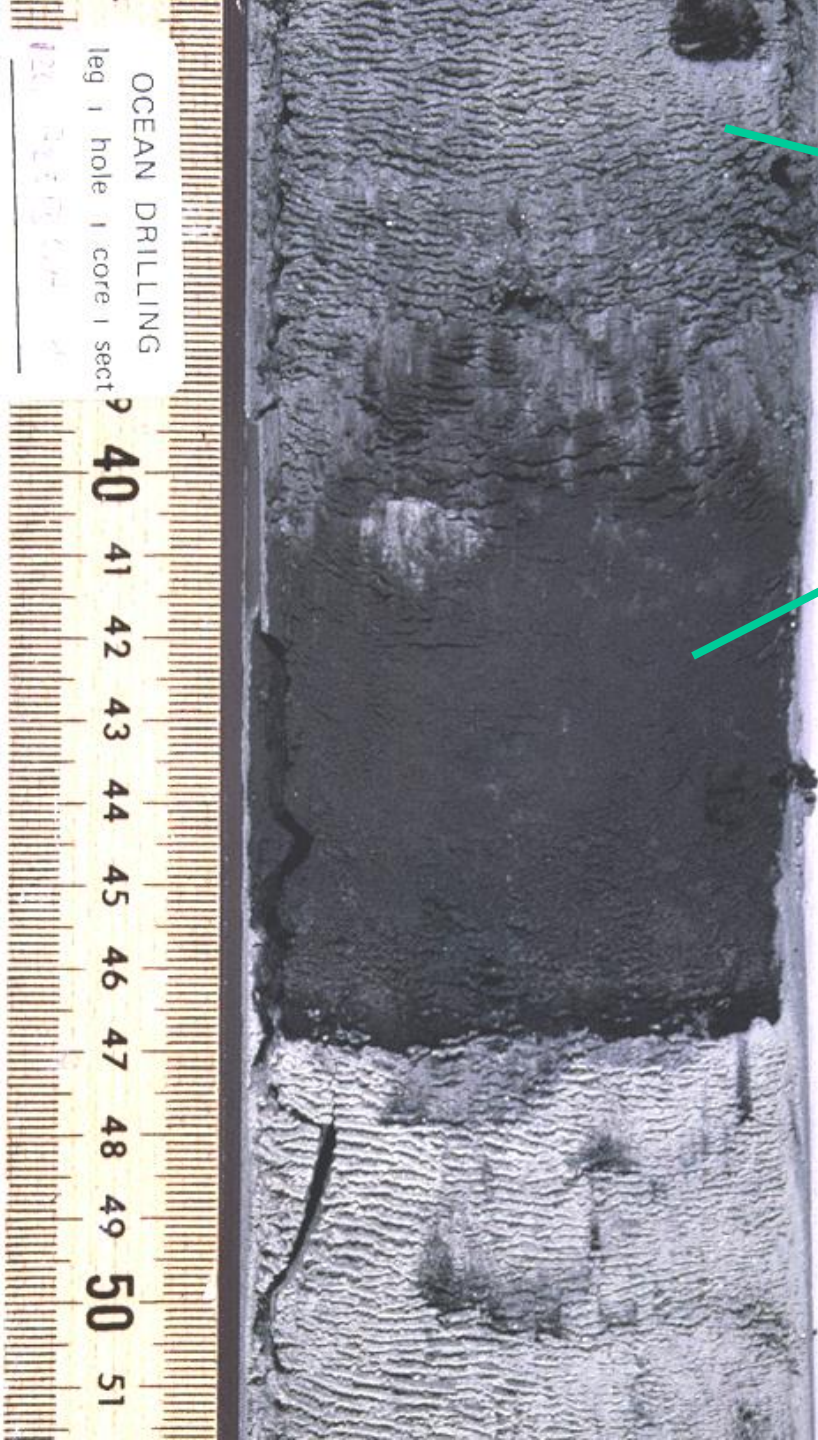


Back a

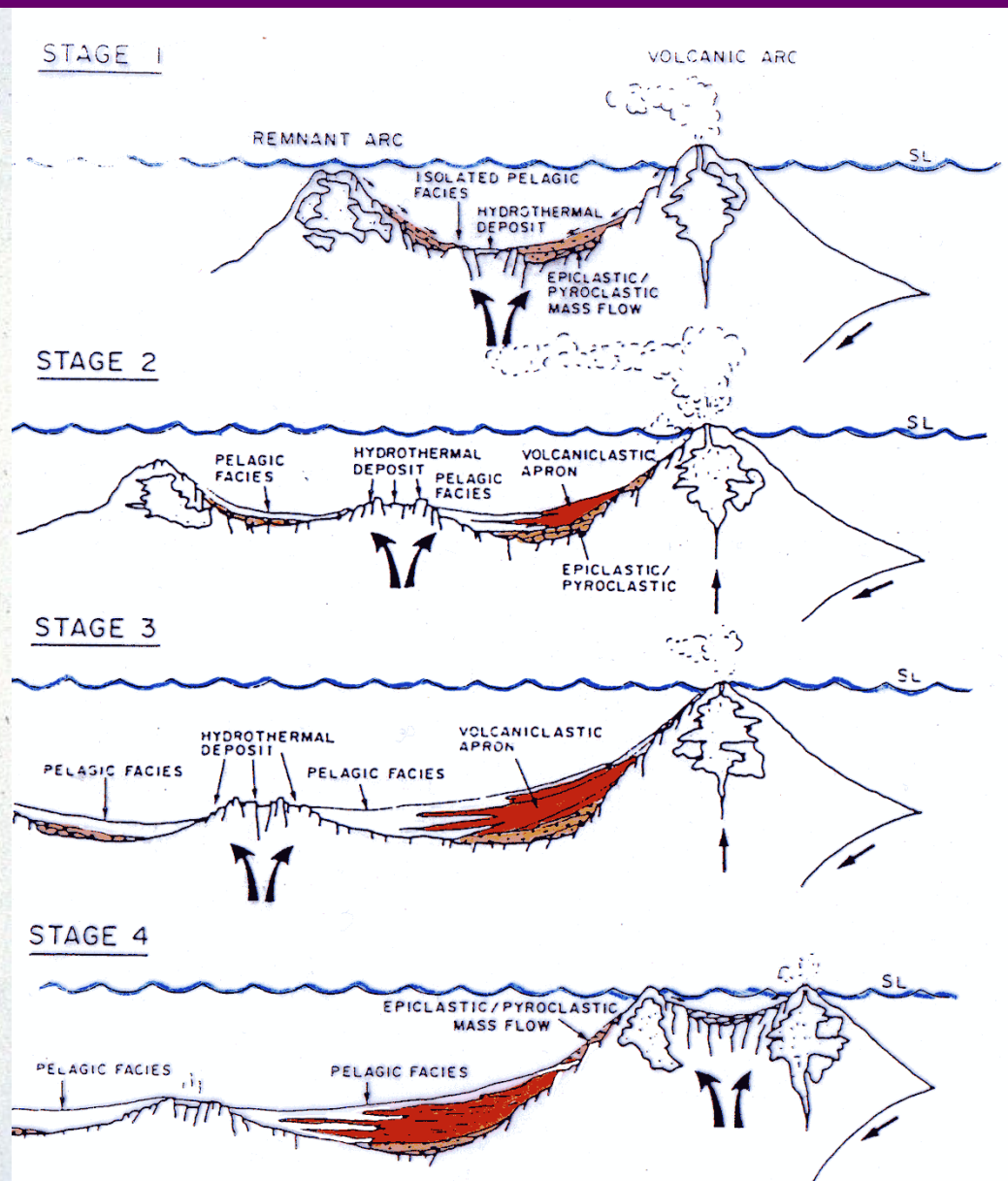
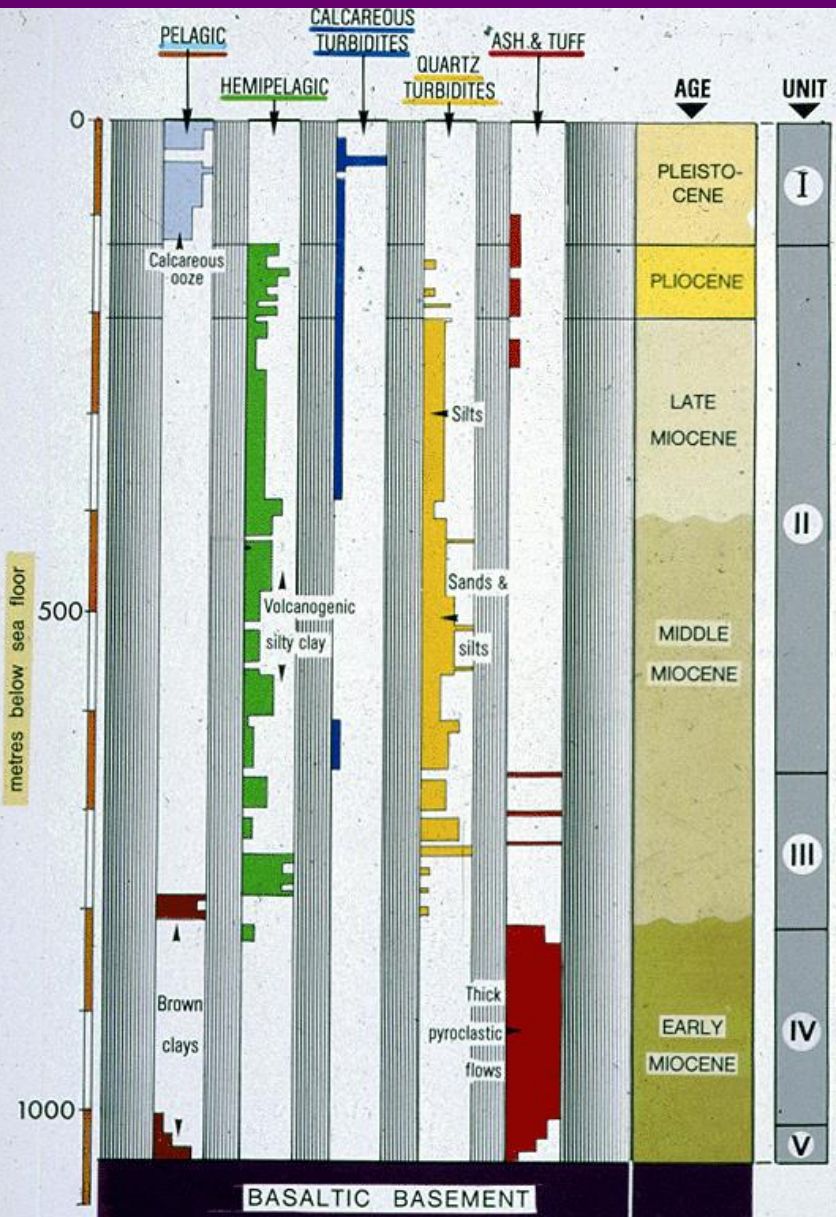


# Sulu Sea



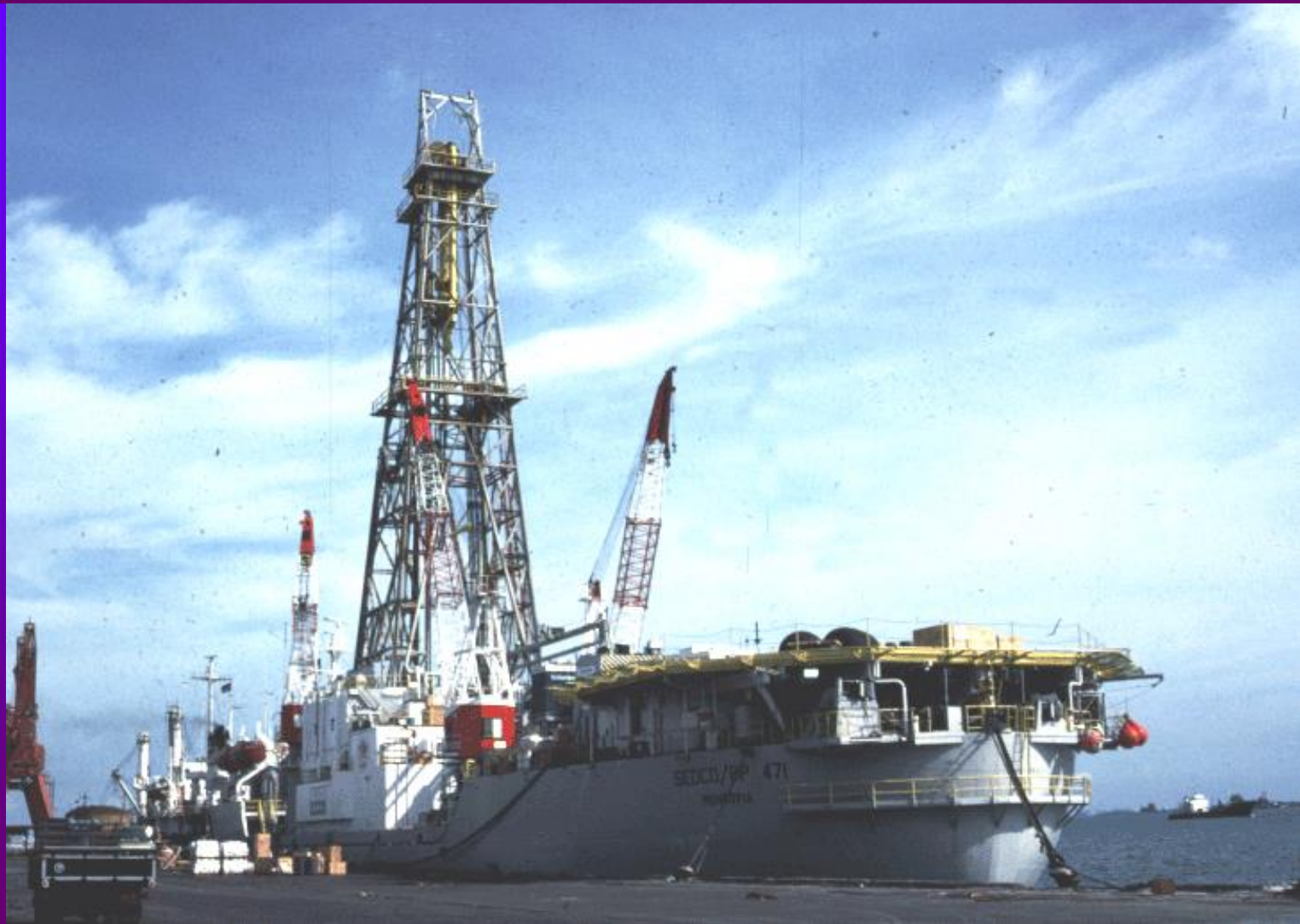


# Sulu Sea Basin: Back-arc Basin model





# ODP Leg 124: Joides Resolution















Back arc basins





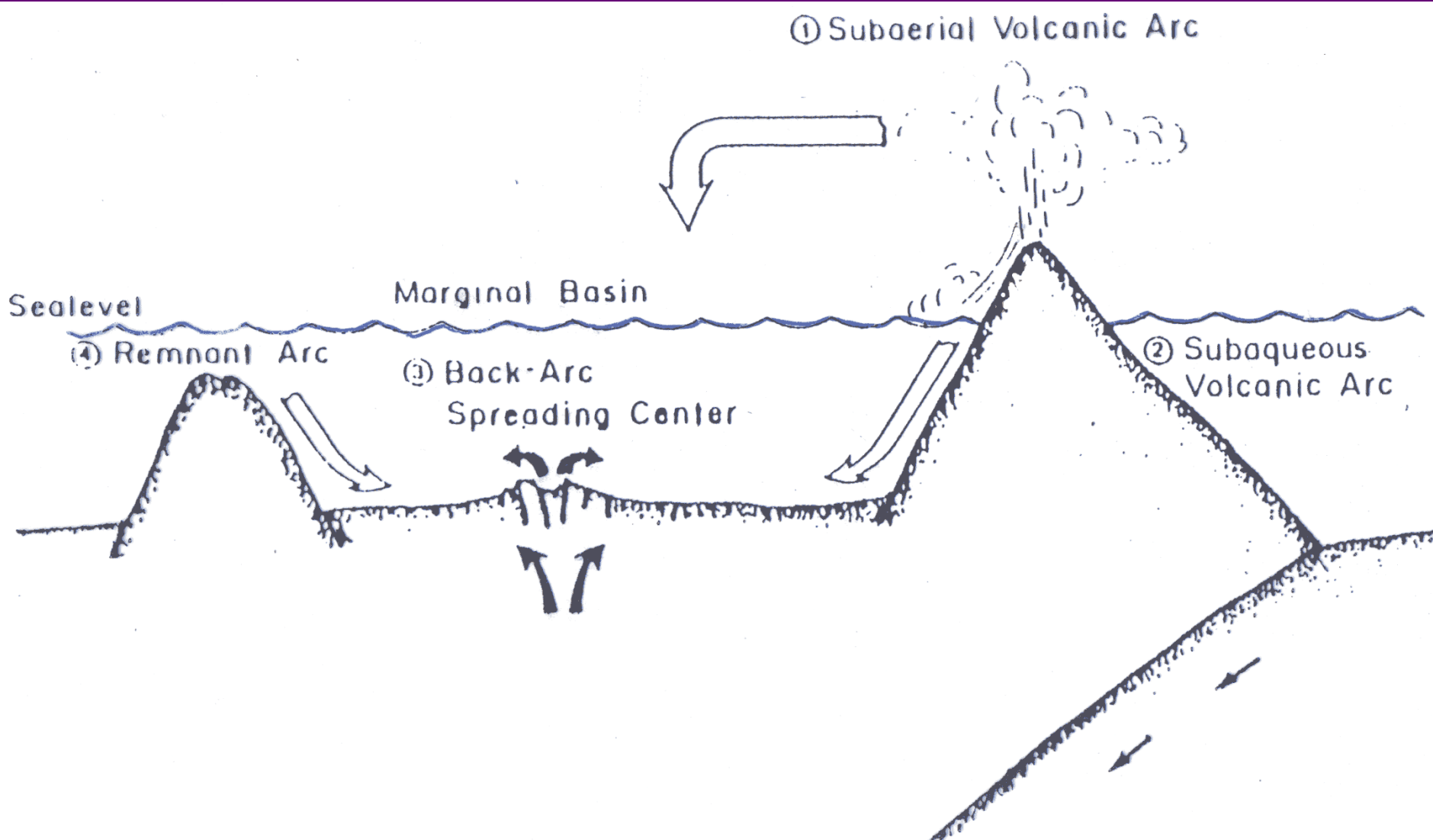


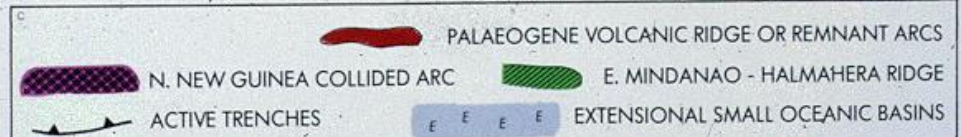
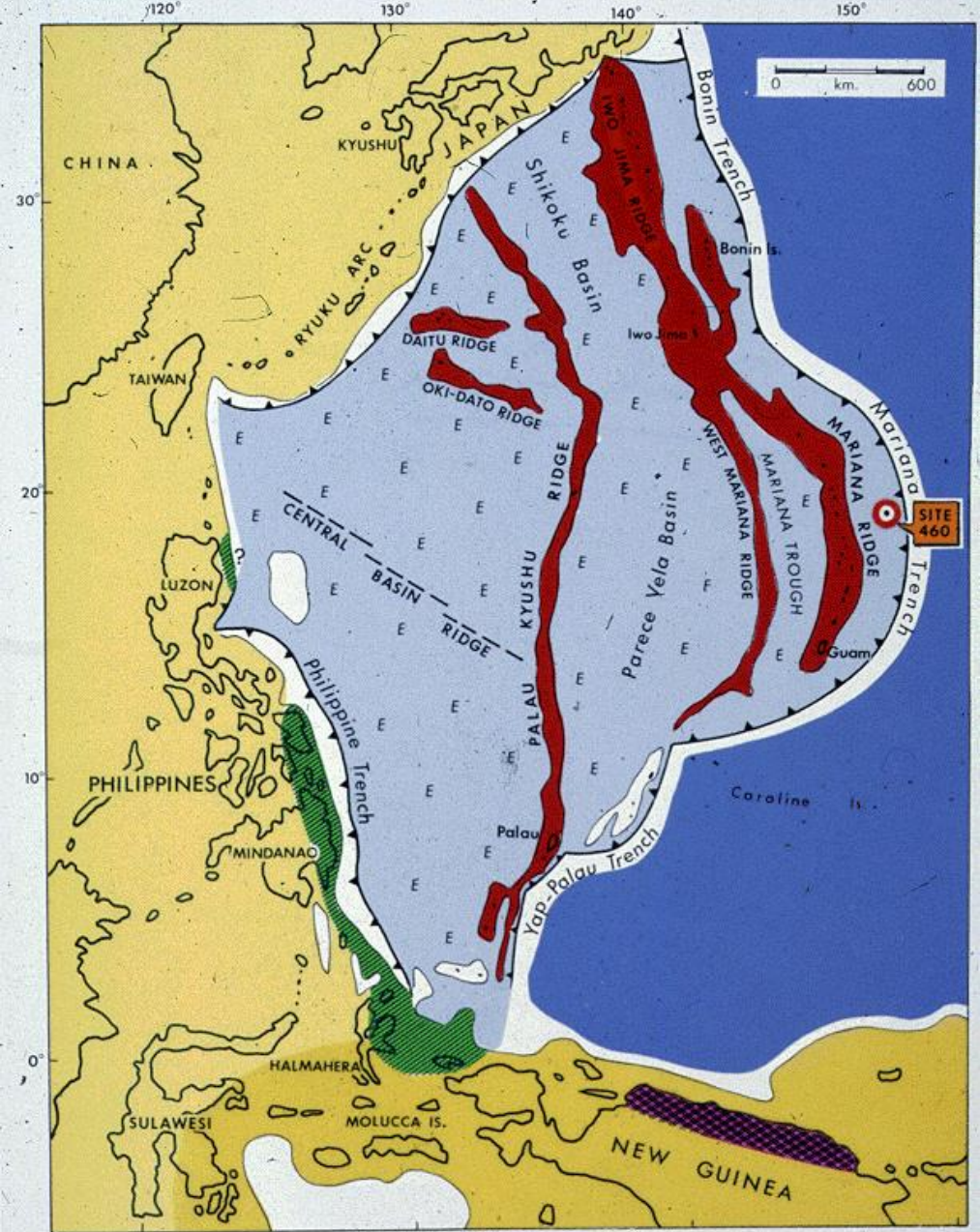












Back arc basins