

**Water Quality Management Series**

**SUB-SERIES No MS 13.3**

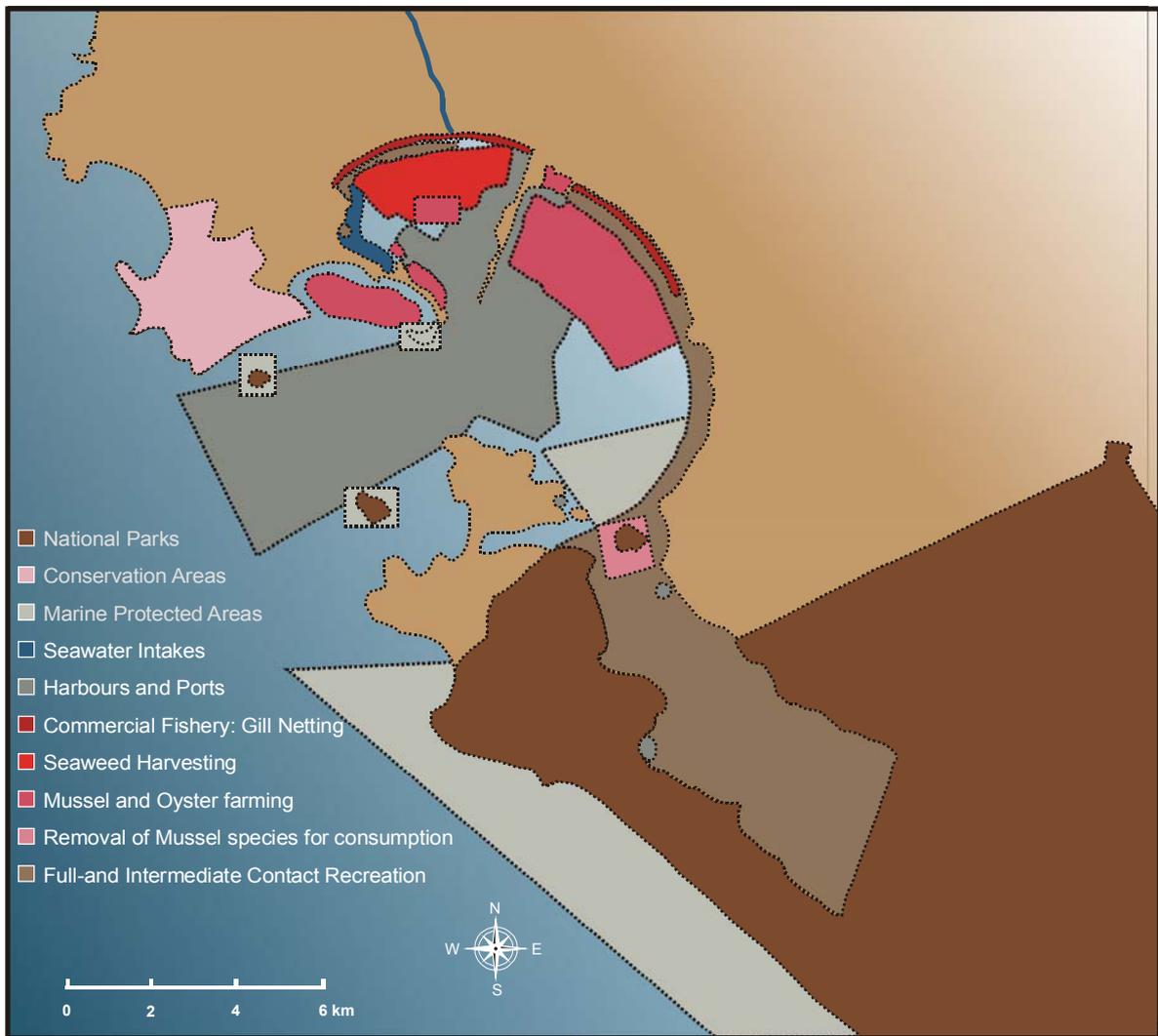
**OPERATIONAL POLICY  
FOR THE DISPOSAL OF  
LAND-DERIVED WATER  
CONTAINING WASTE  
TO THE MARINE  
ENVIRONMENT  
OF SOUTH AFRICA**

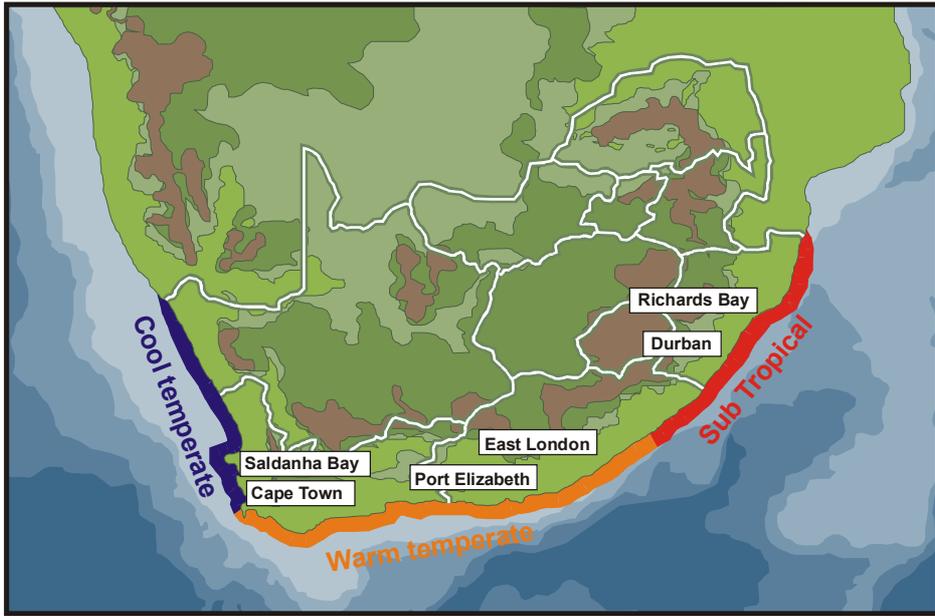
**GUIDANCE ON  
IMPLEMENTATION**

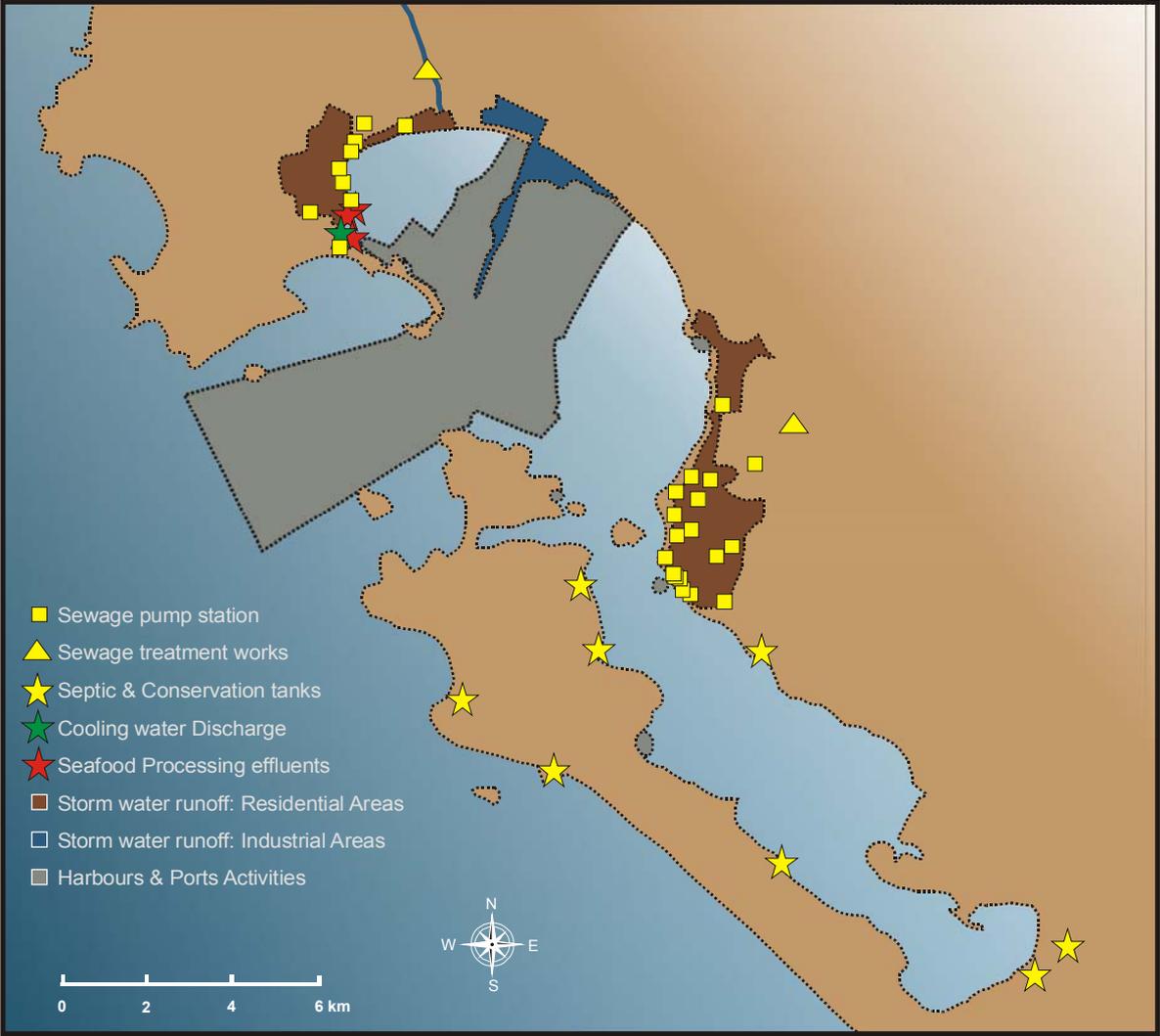


**Department:  
Water Affairs and Forestry**

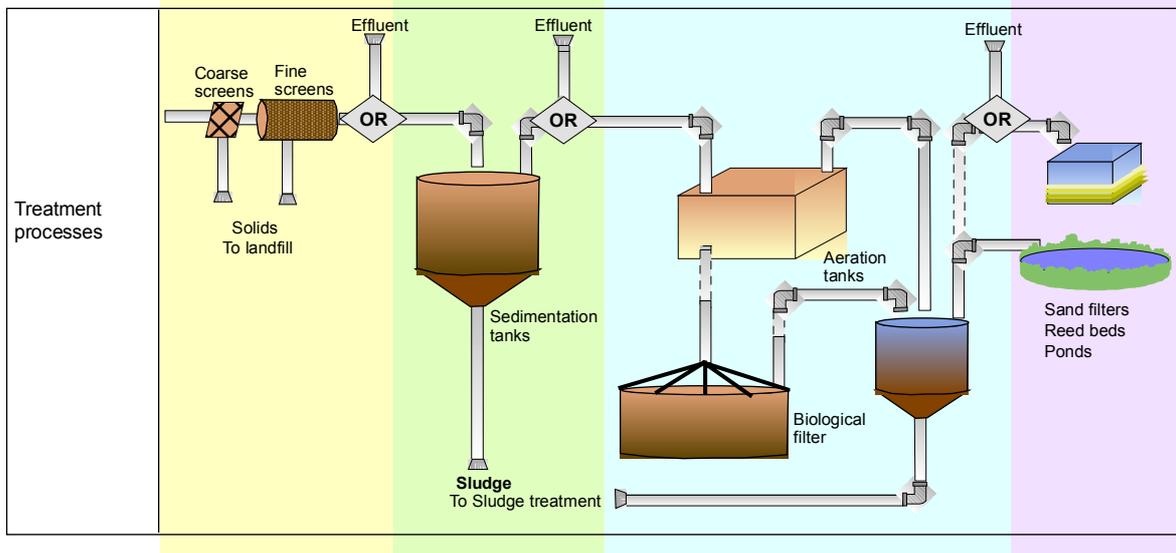
**EDITION 1  
2004**

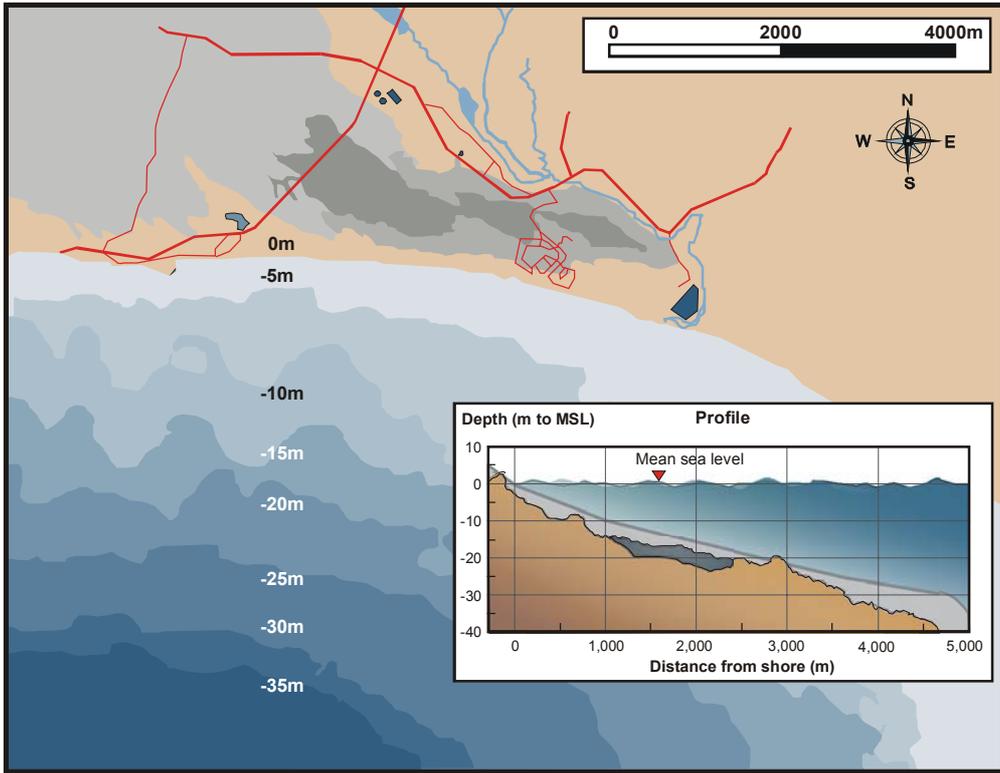


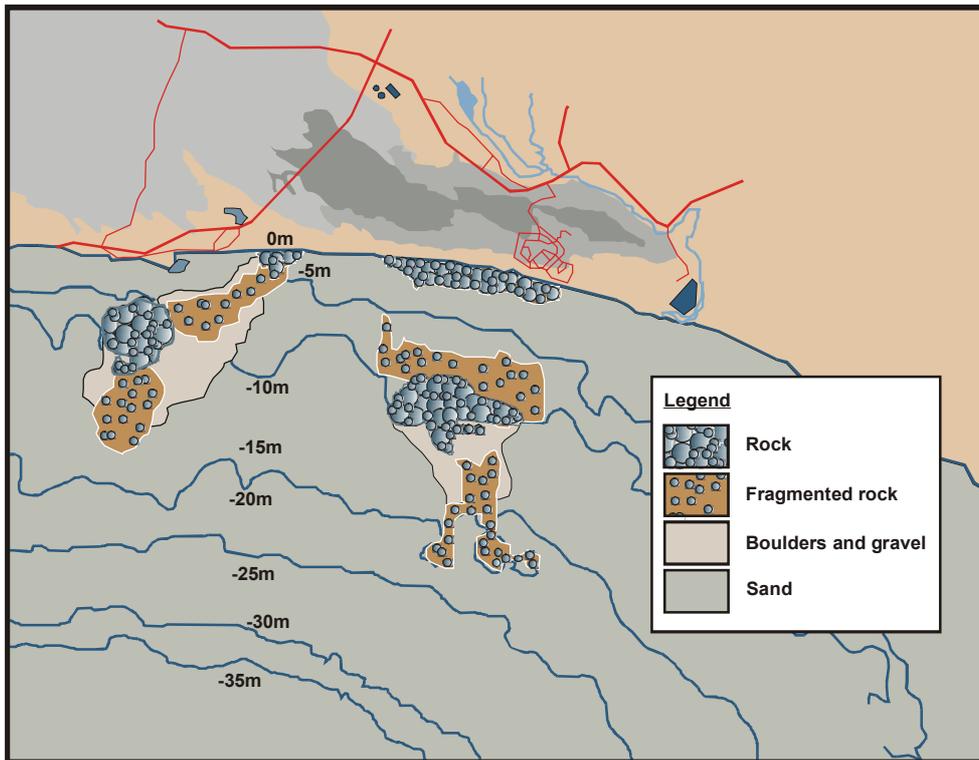




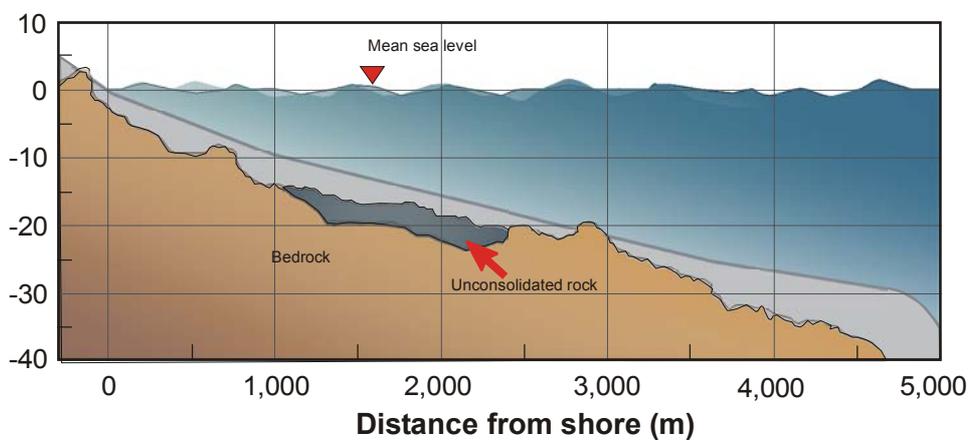
Treatment	Preliminary	Primary	Secondary	Tertiary
Potential effluent disposal option	Offshore		Offshore	Offshore Surf zone Estuary
Effluent quality	SS	300 - 400 mg/l	120 - 200 mg/l	30 - 40 mg/l
	BOD	300 - 500 mg/l	180 - 240 mg/l	30 - 40 mg/l



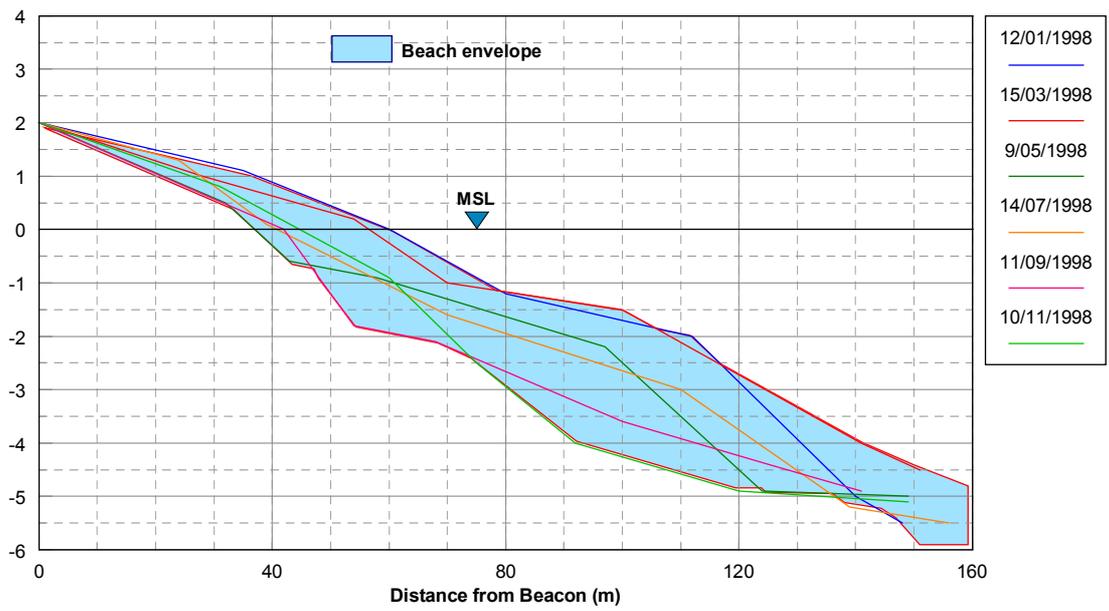


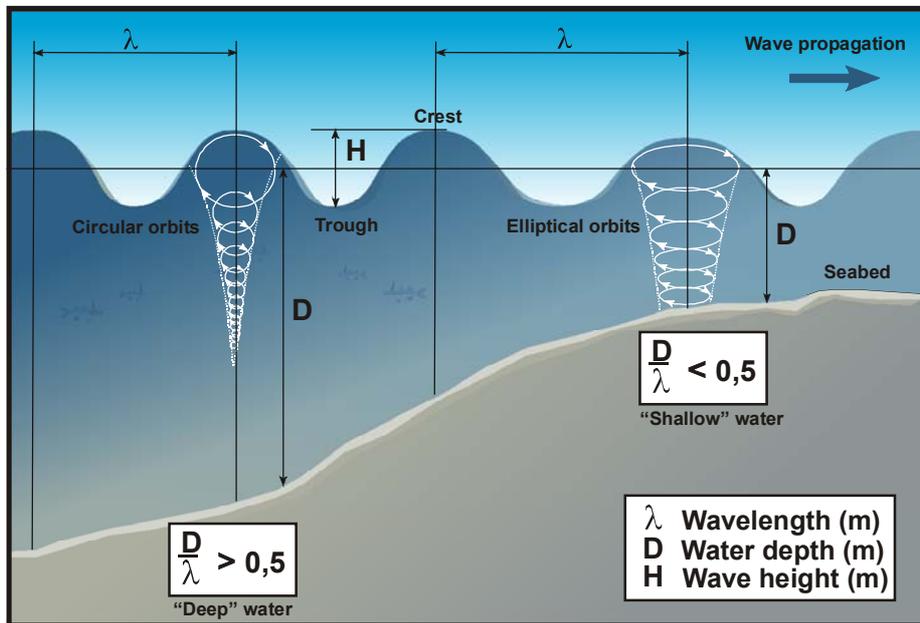


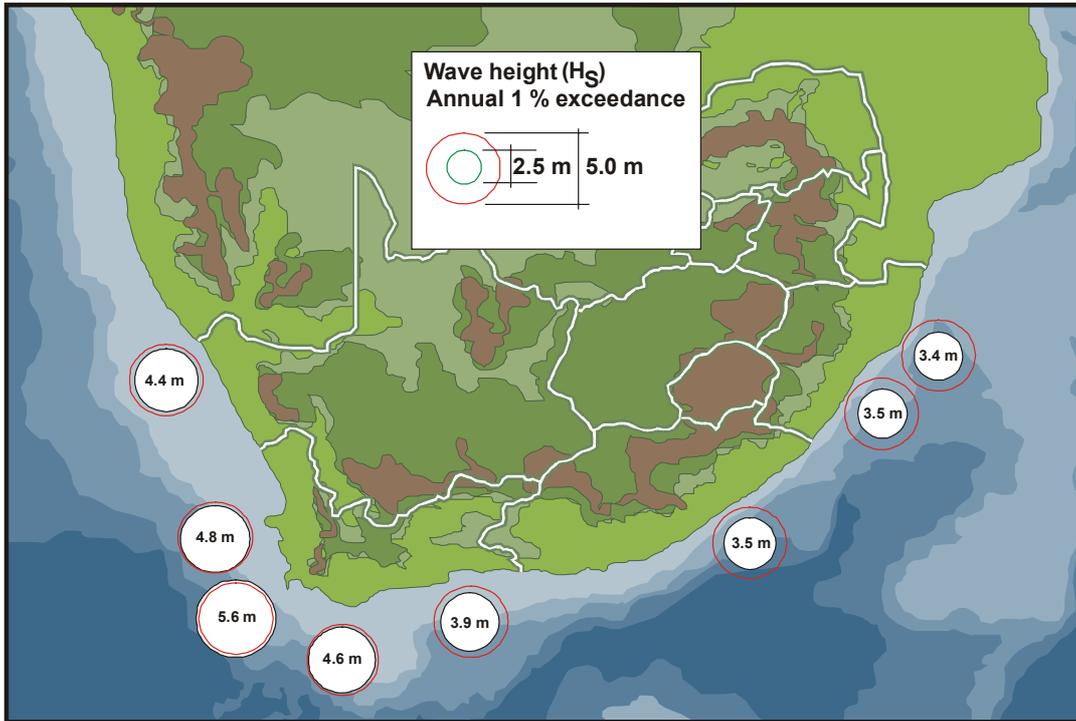
**Depth (m to MSL)**

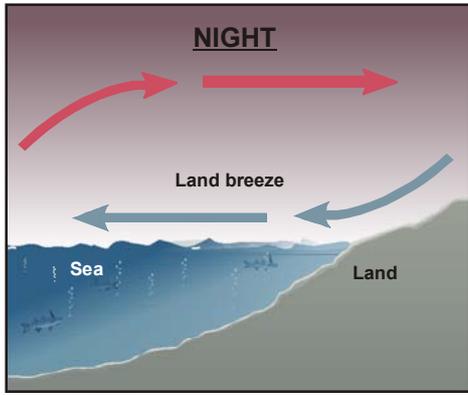
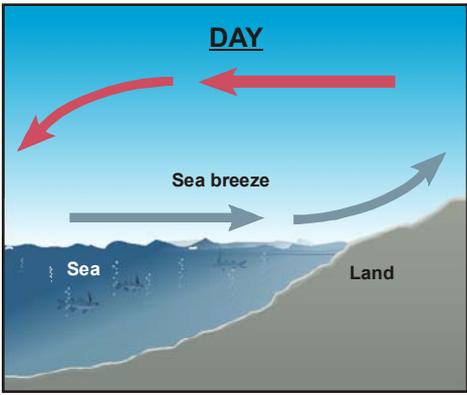


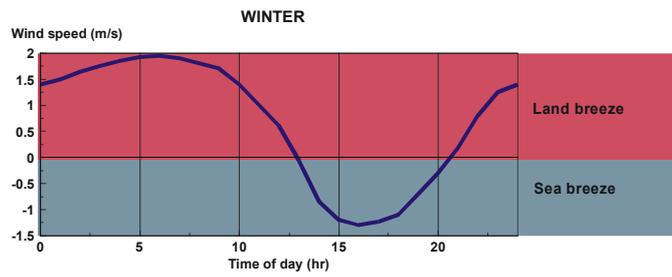
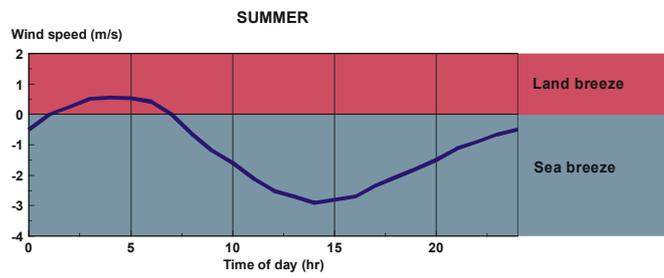
Elevation (m to MSL)



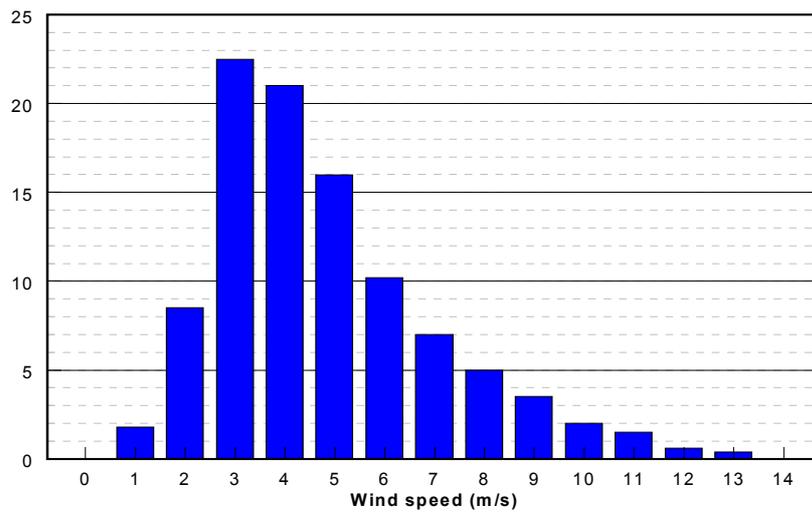




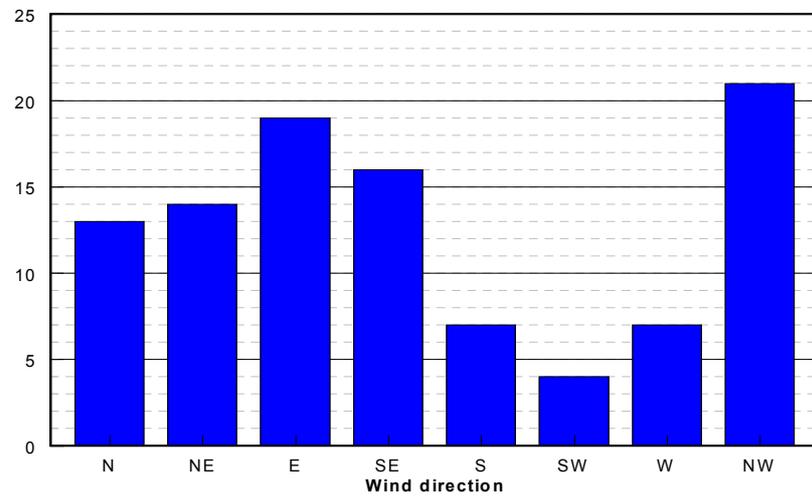




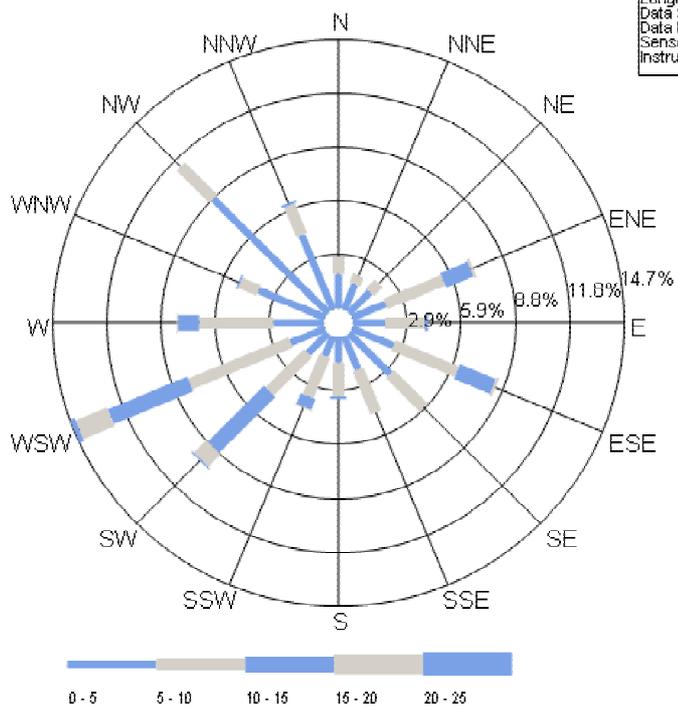
**% Occurrence**

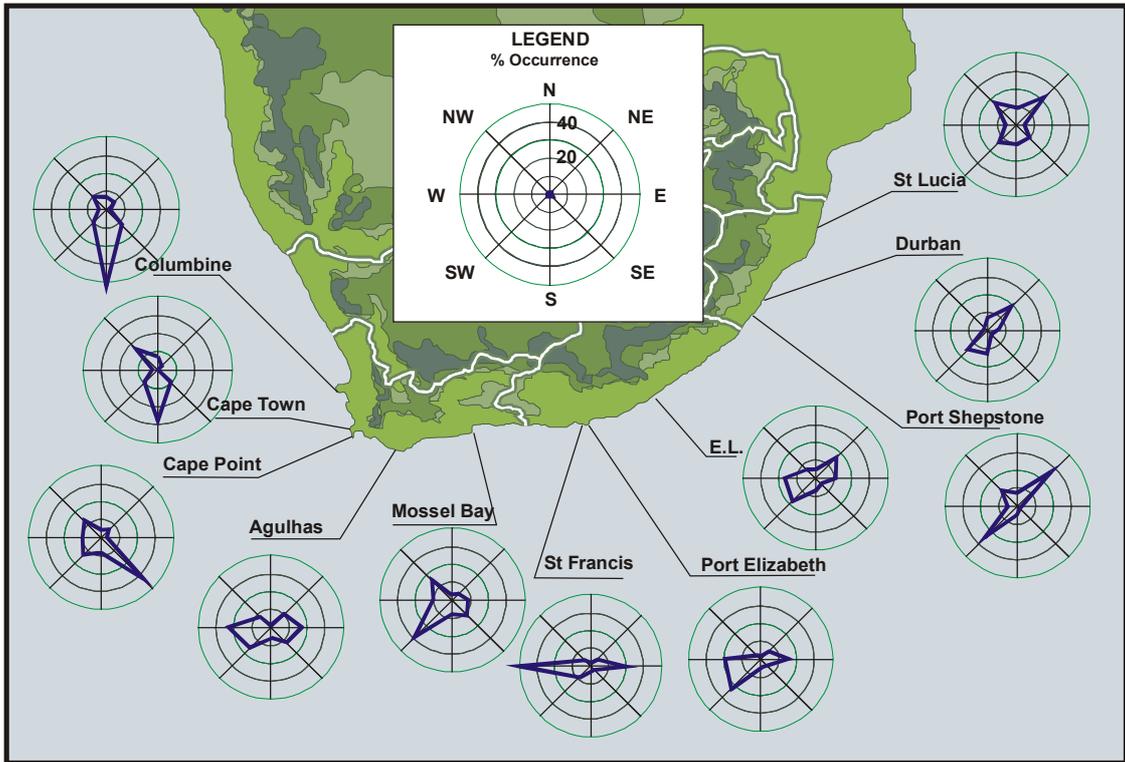


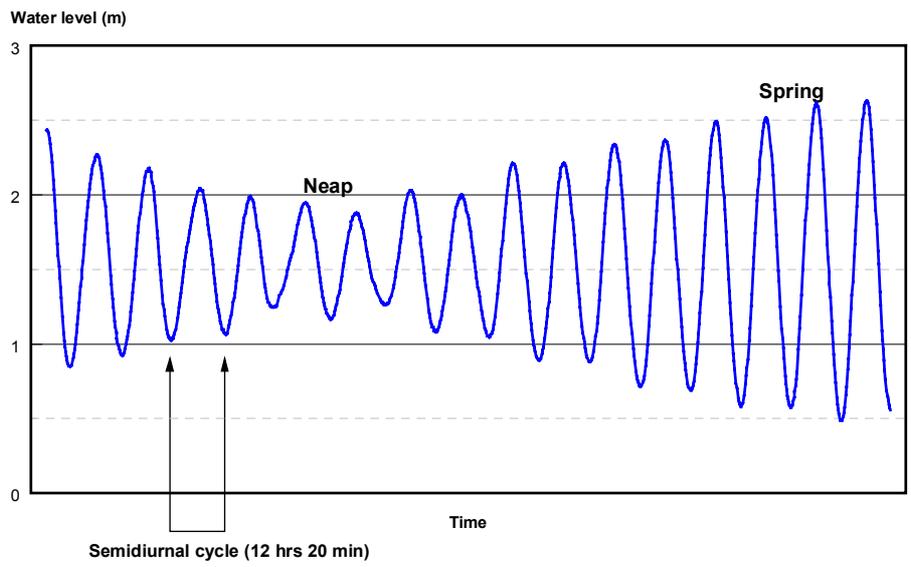
**% Occurrence**

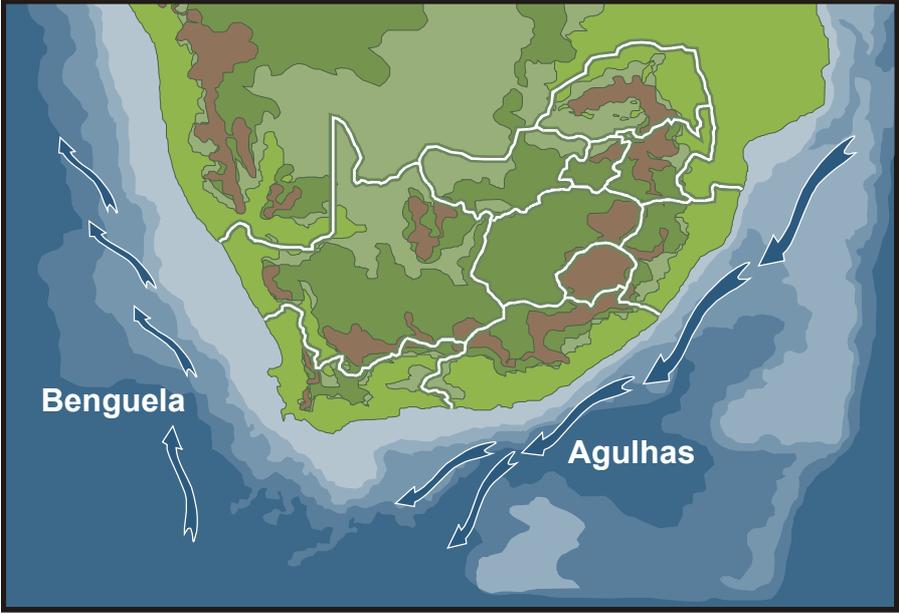


Station Name: JAHLEEL ISLAND  
Latitude: 33.804  
Longitude: 25.70488  
Data Start Date: 01/09/2002  
Data End Date: 30/11/2002  
Sensor Height: 0  
Instrument Type:

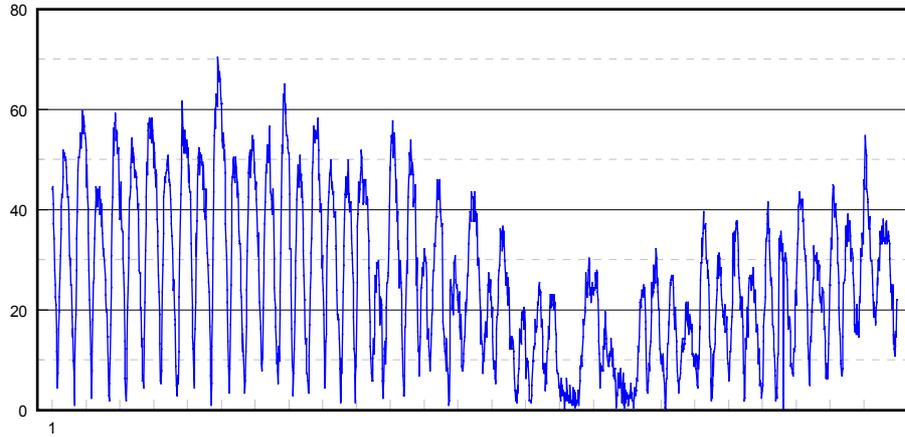






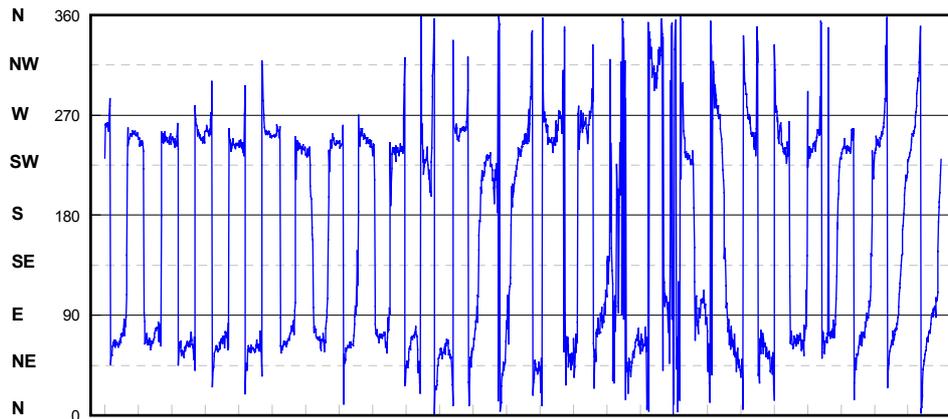


Current velocity (cm/s)

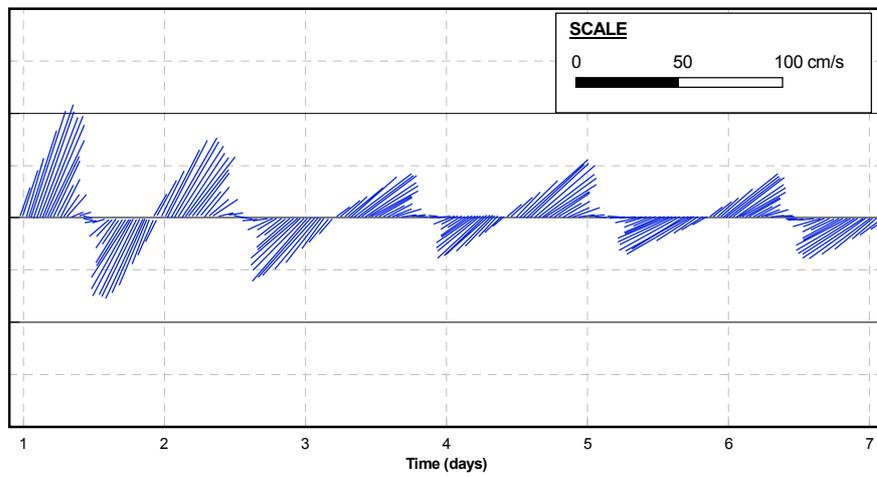


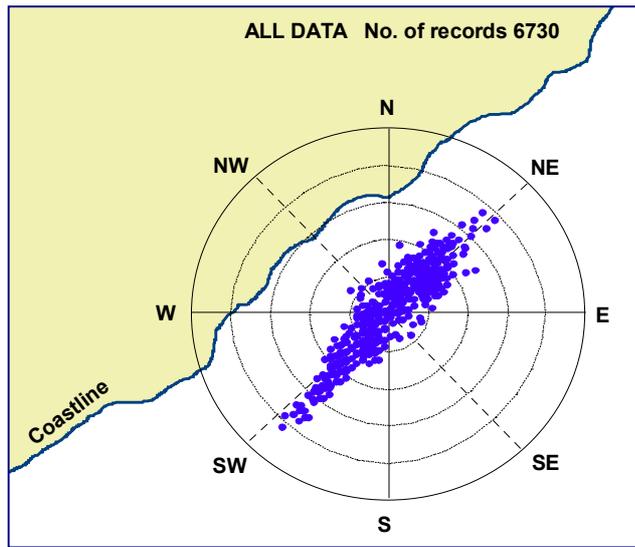
Time (days)

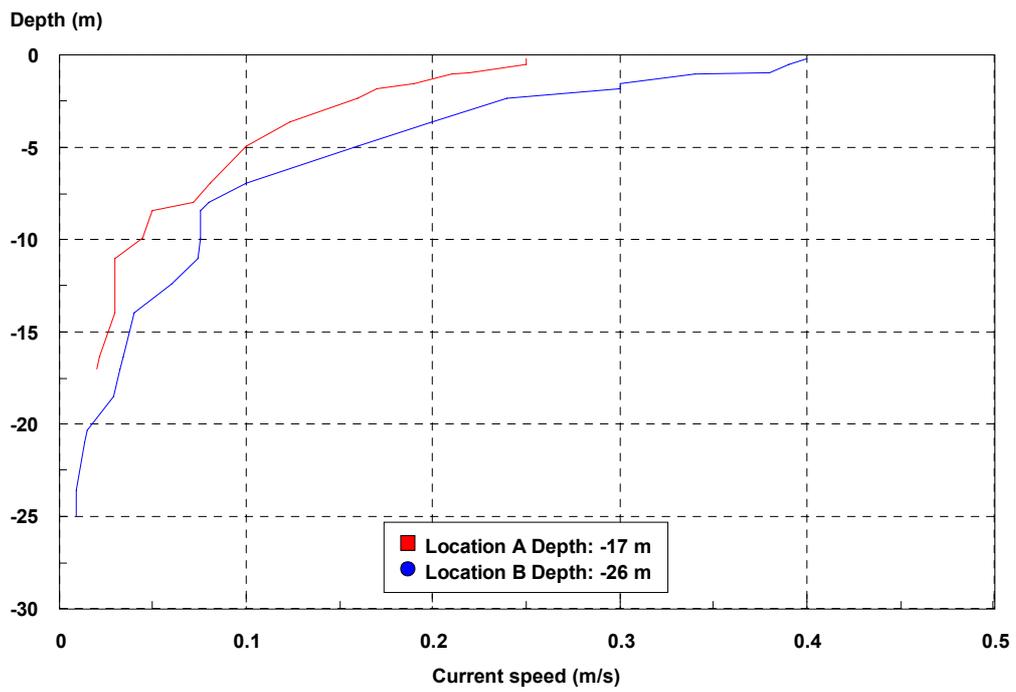
Direction (deg to N)

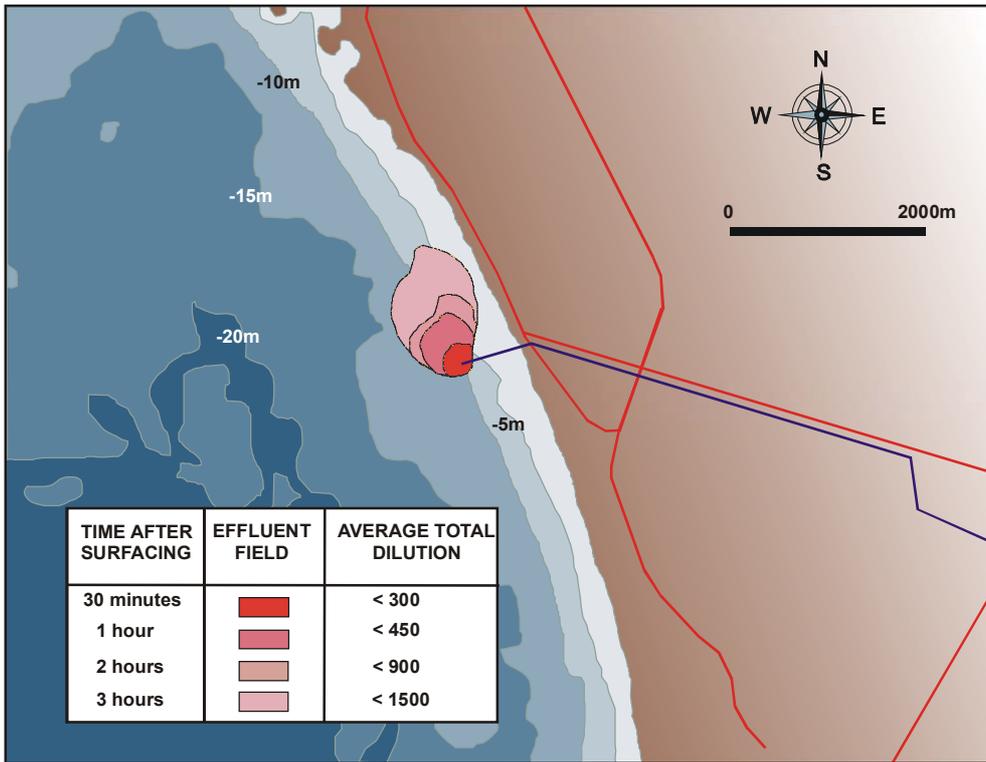


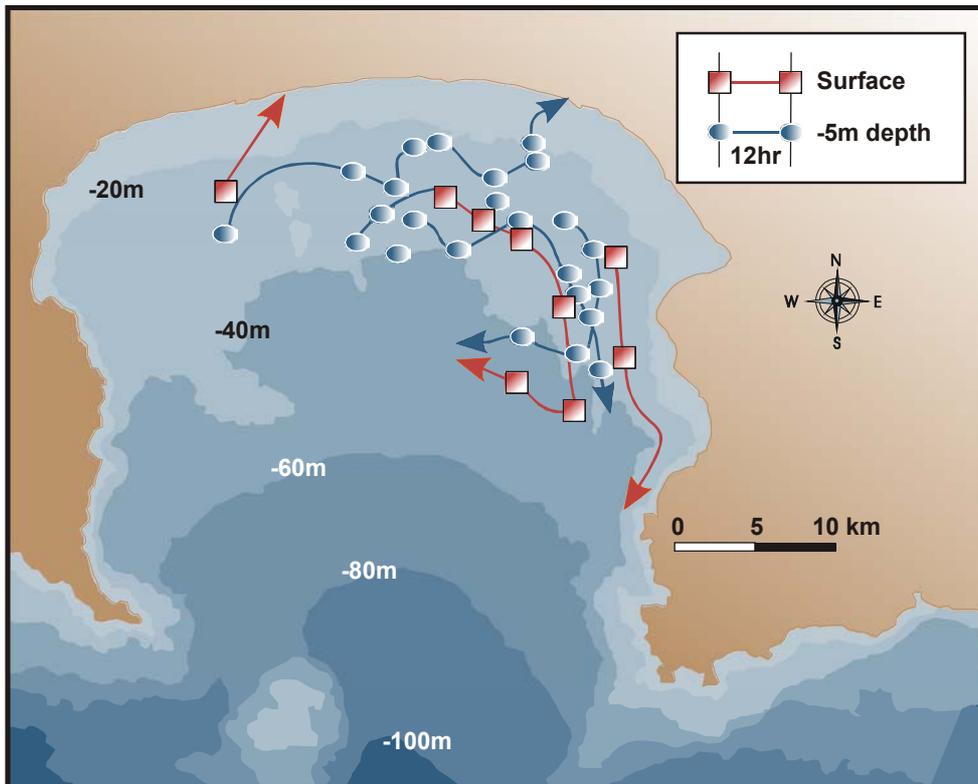
Time (days)

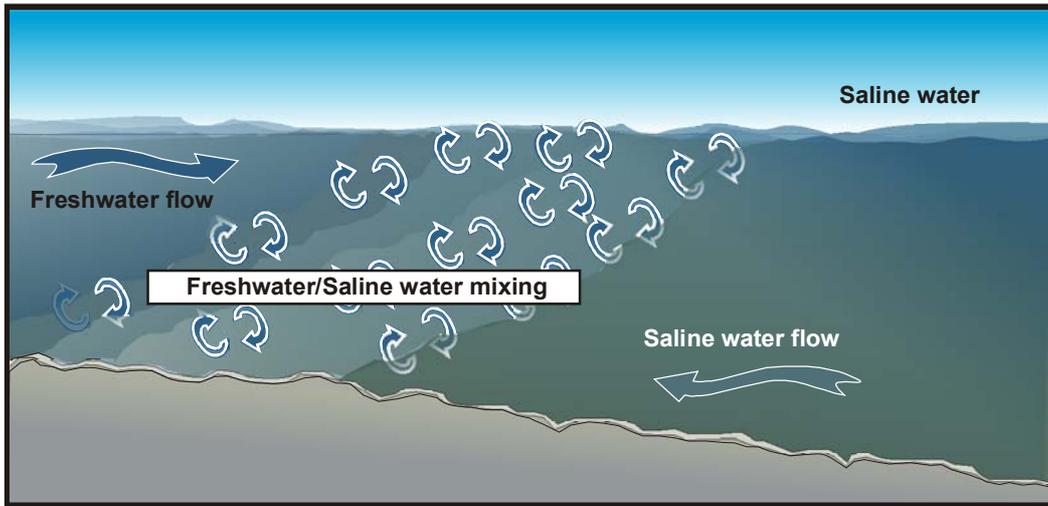




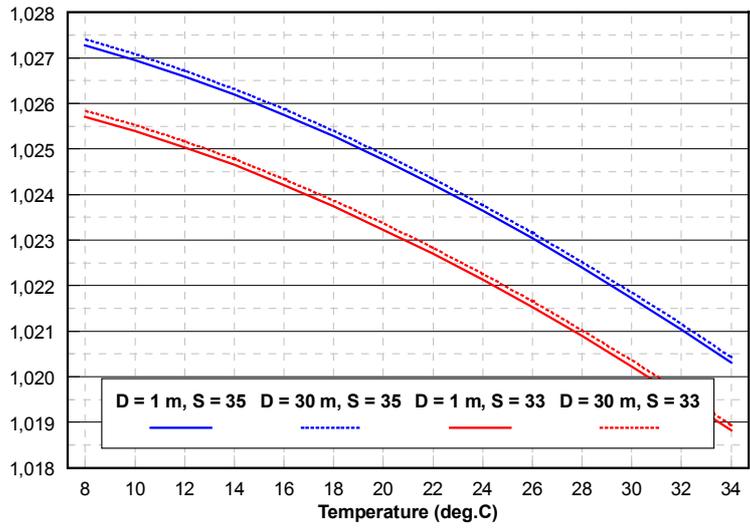




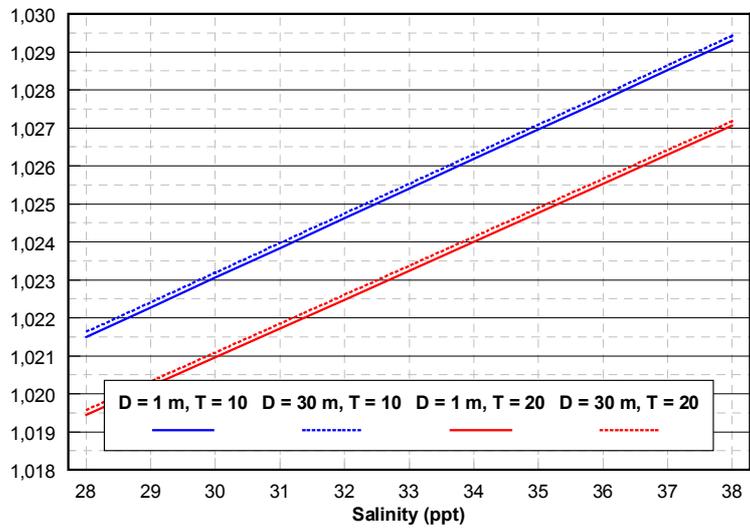


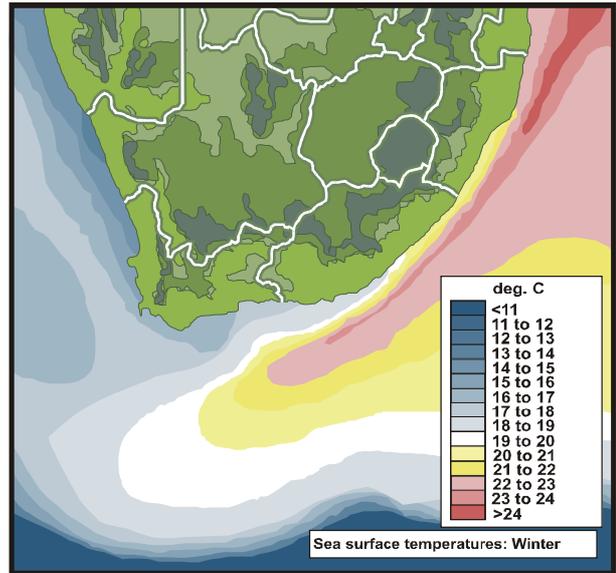
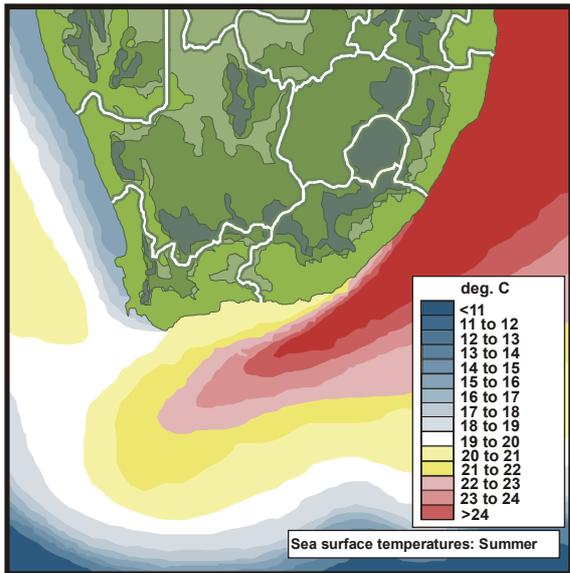


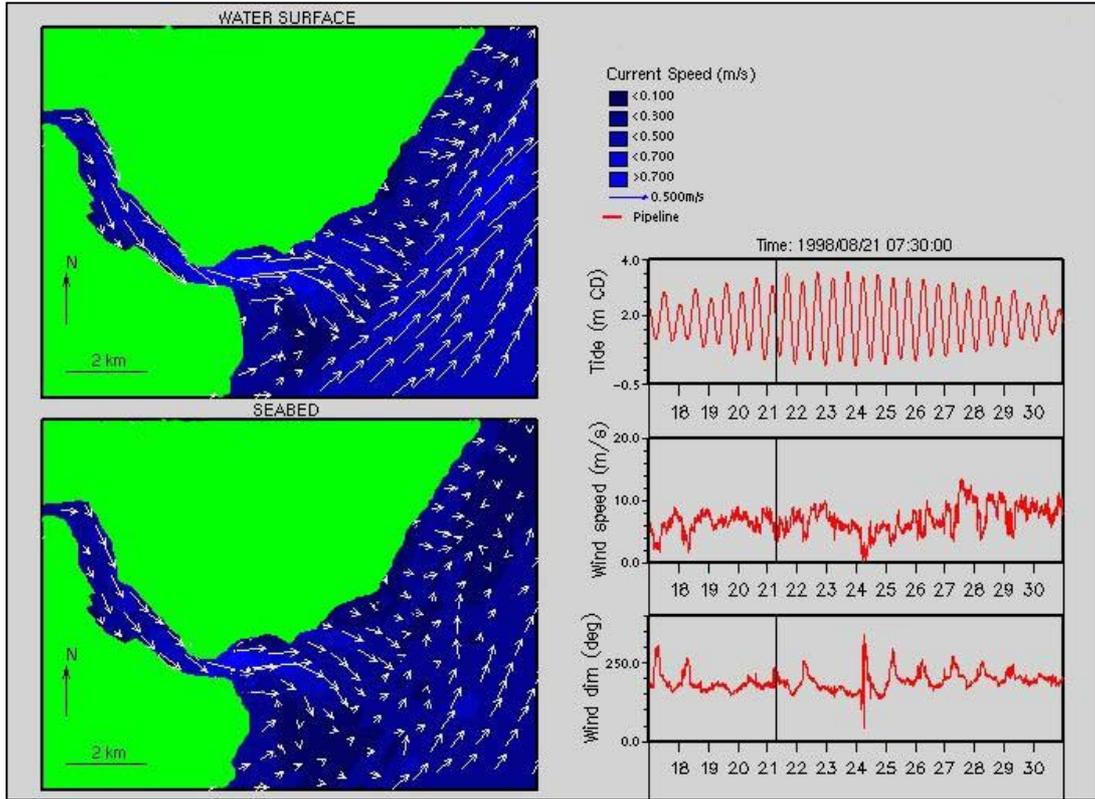
Density (kg/l)

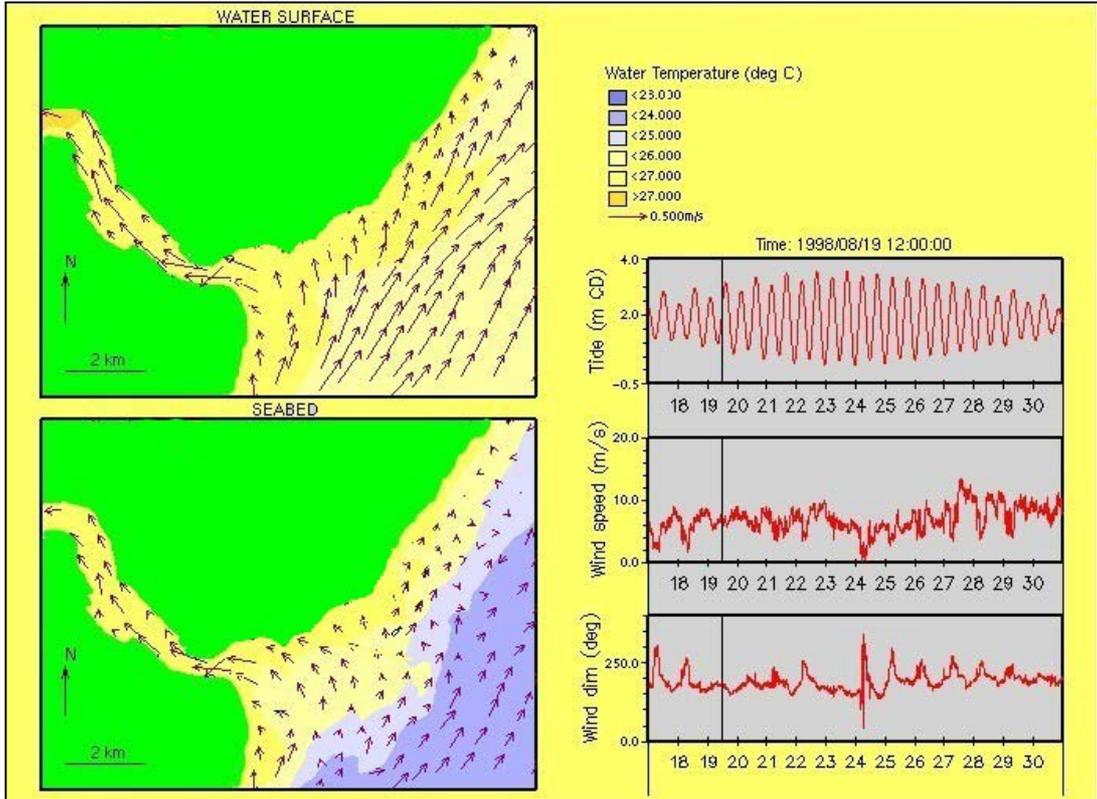


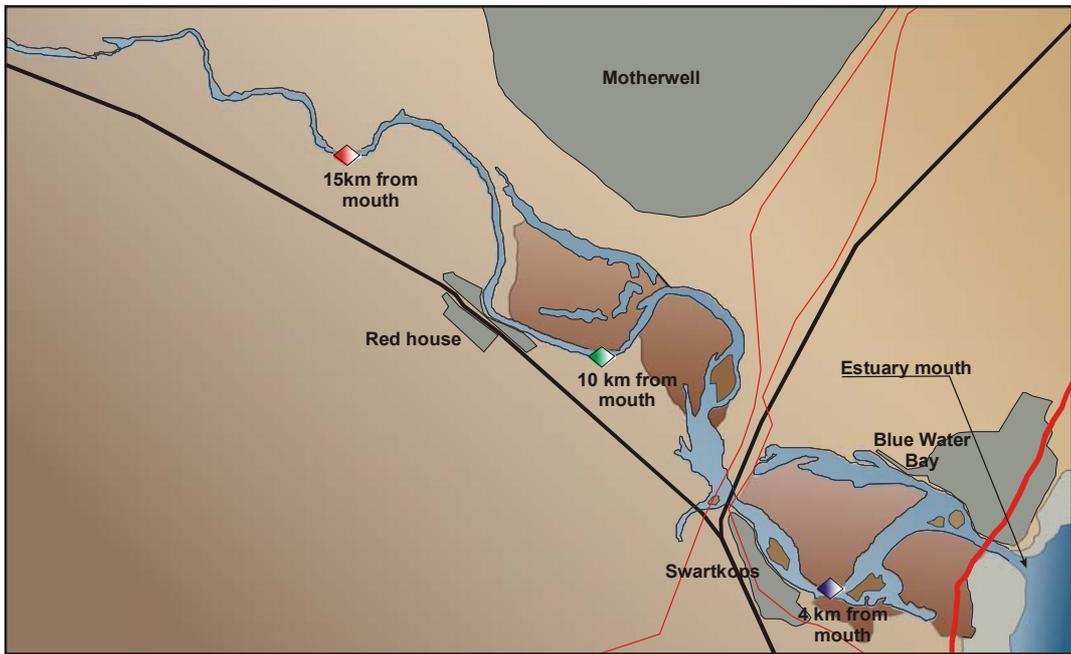
Density (kg/l)



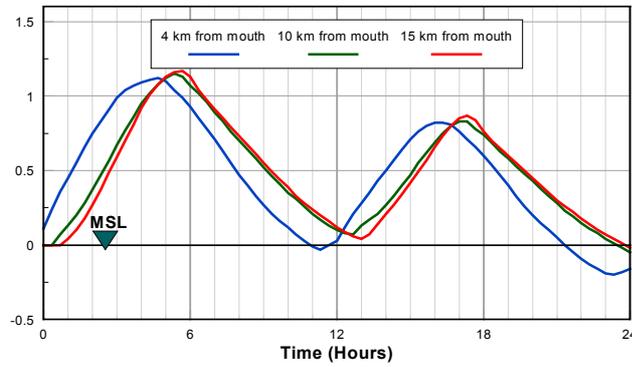




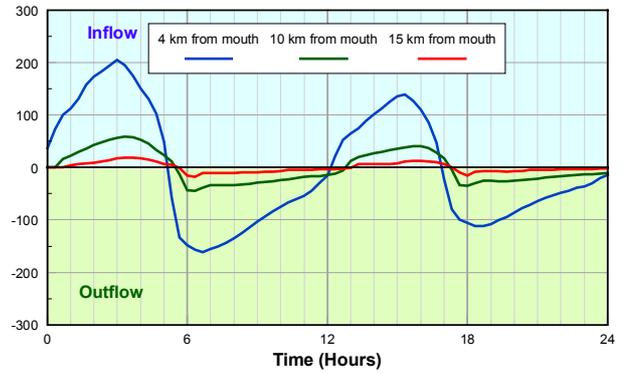




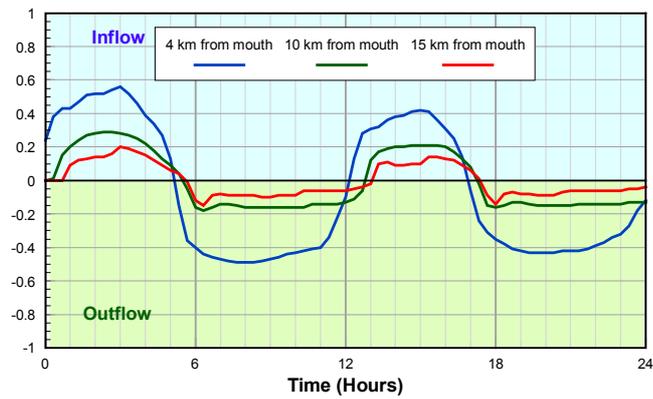
Water level (m to MSL)

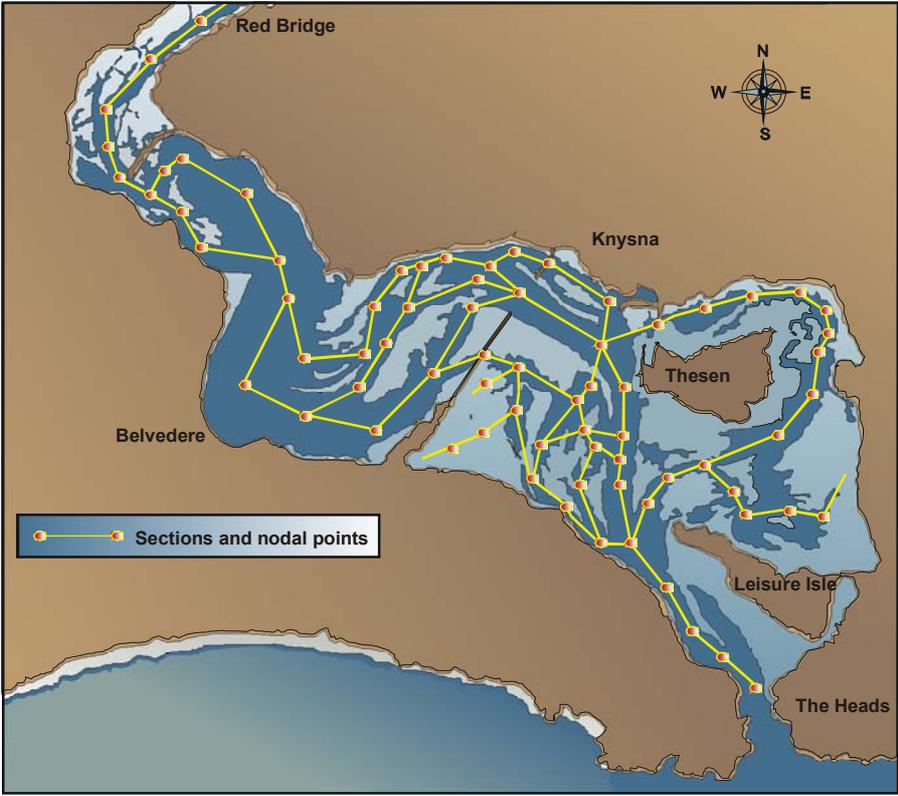


Flow (cub.m/s)

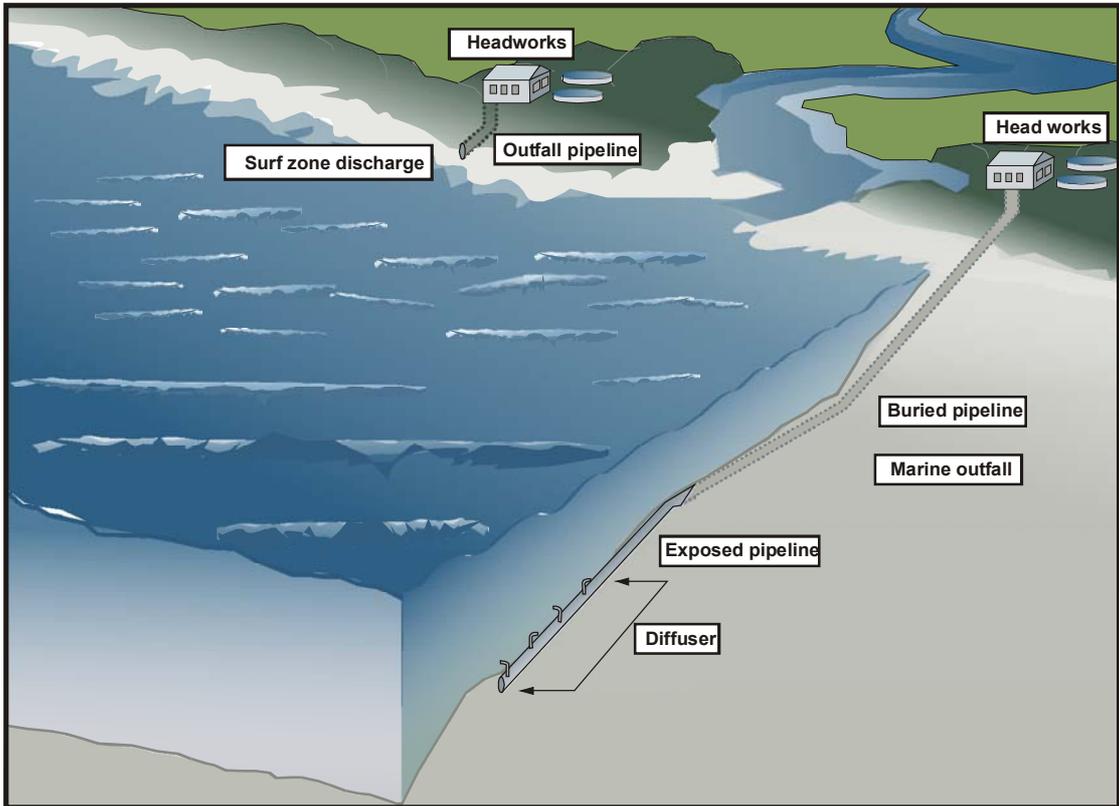


Average speed (m/s)

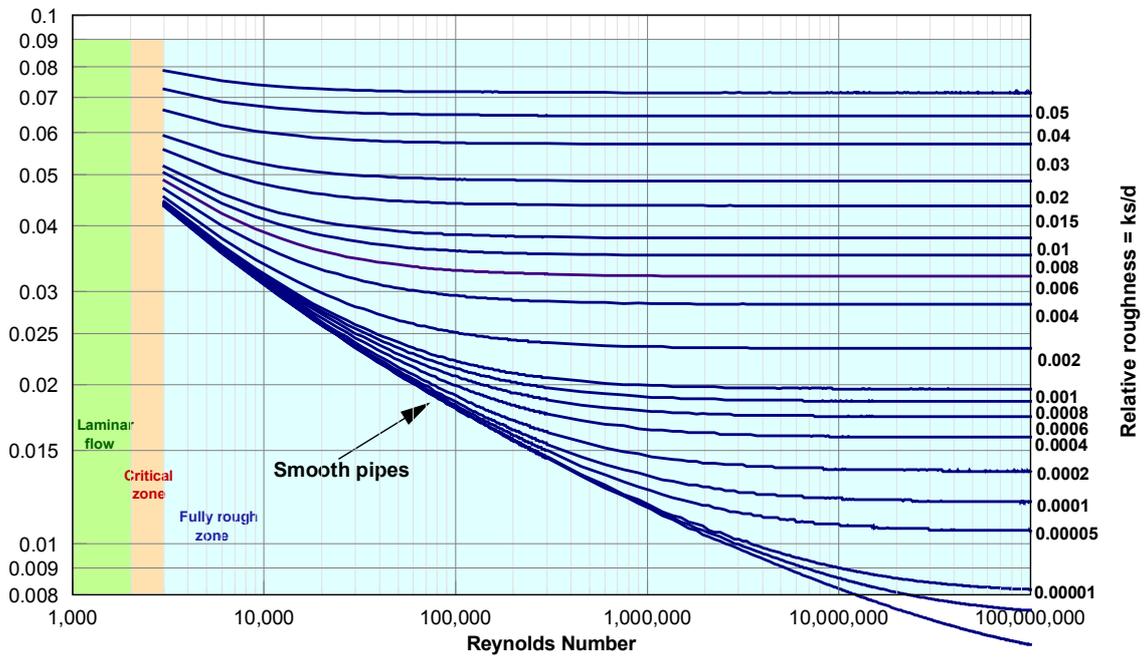


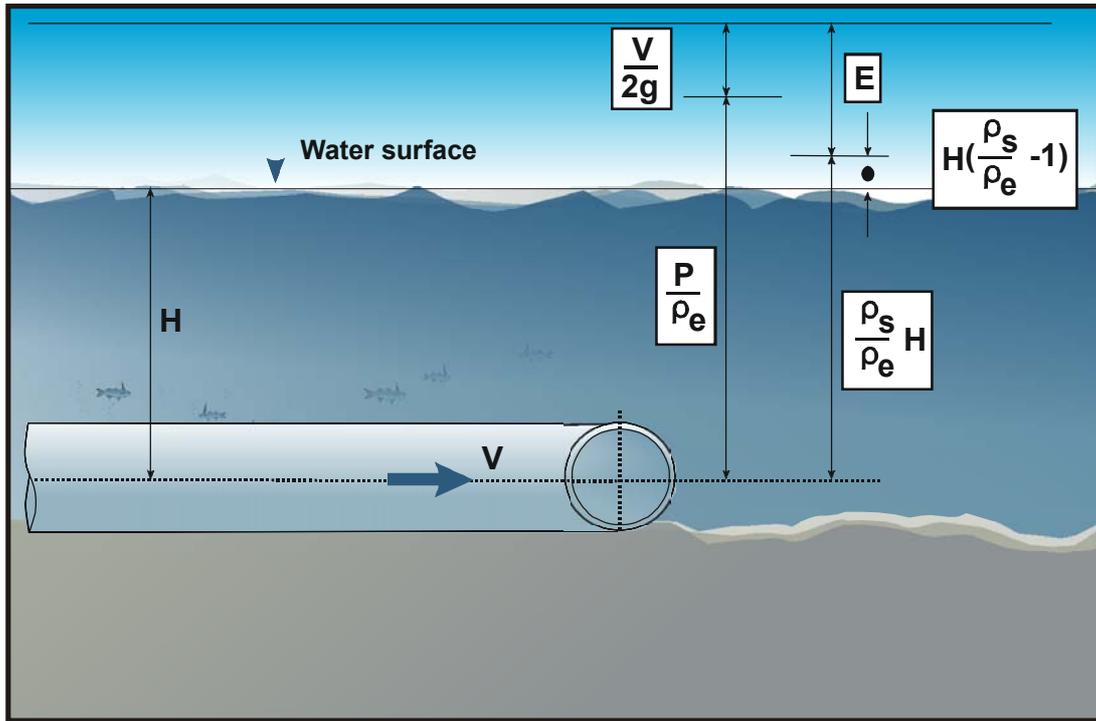


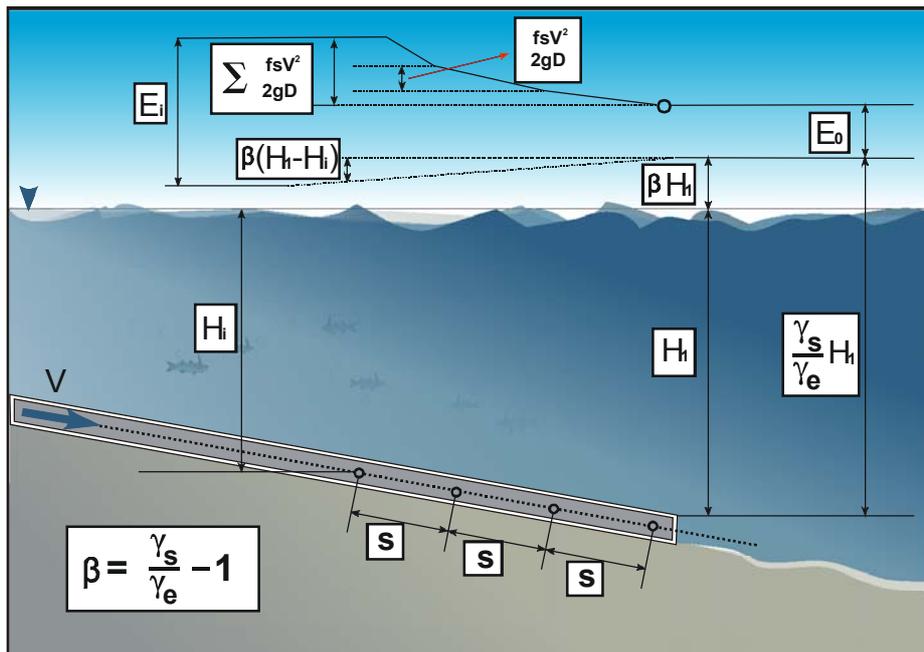


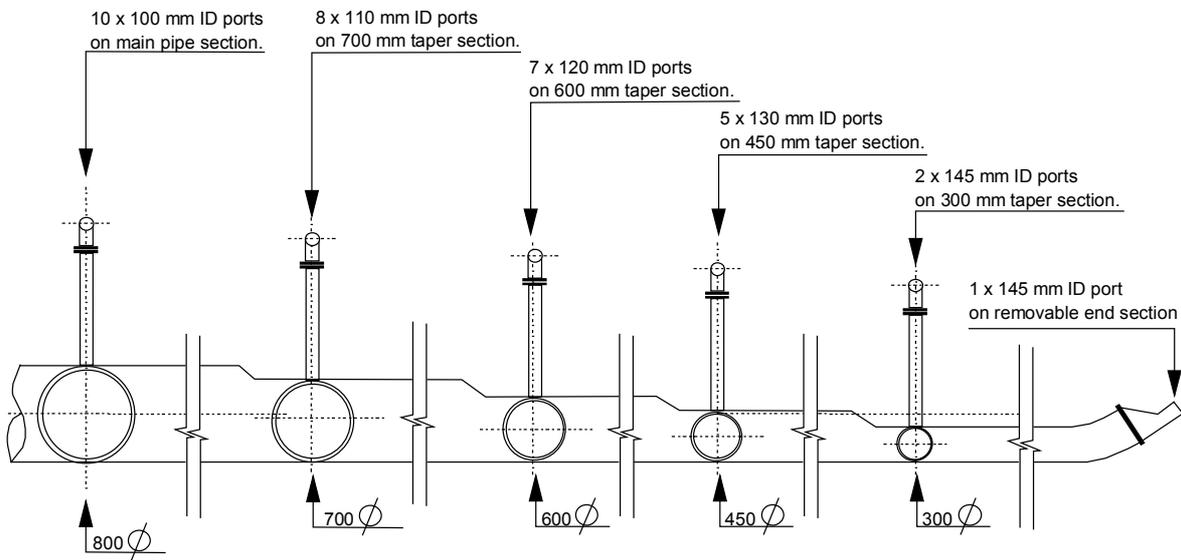


Friction factor

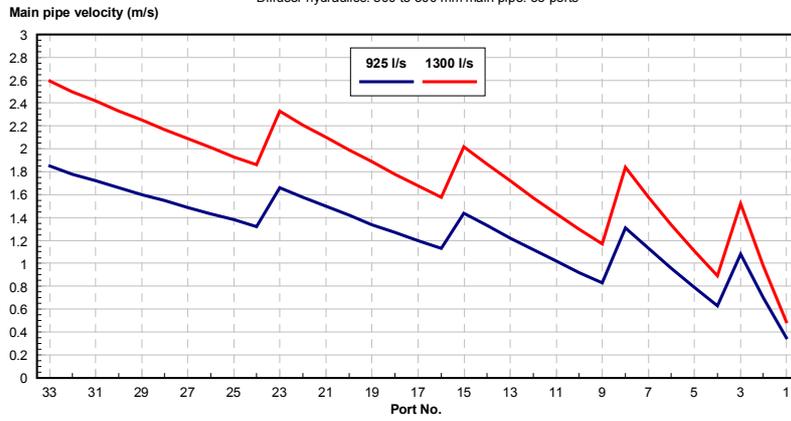




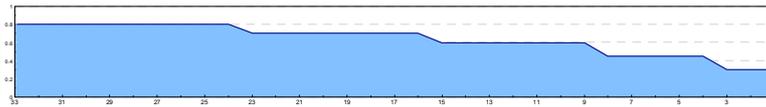
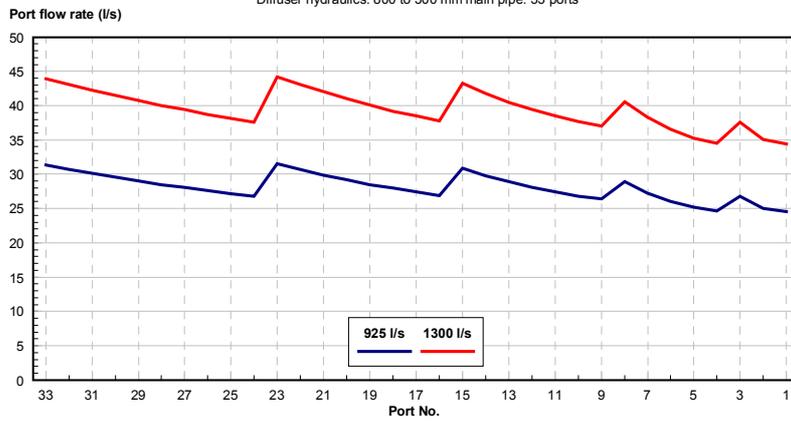




Diffuser hydraulics: 800 to 300 mm main pipe: 33 ports

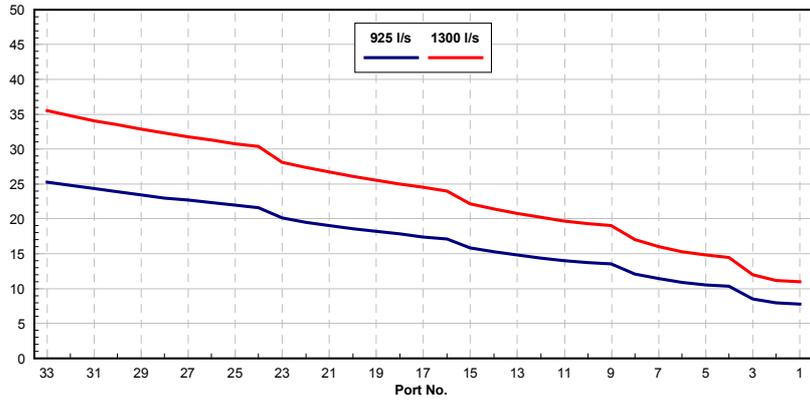


Diffuser hydraulics: 800 to 300 mm main pipe: 33 ports



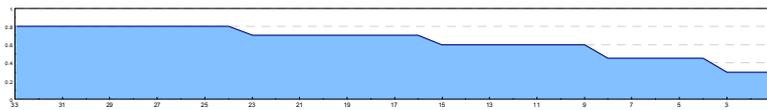
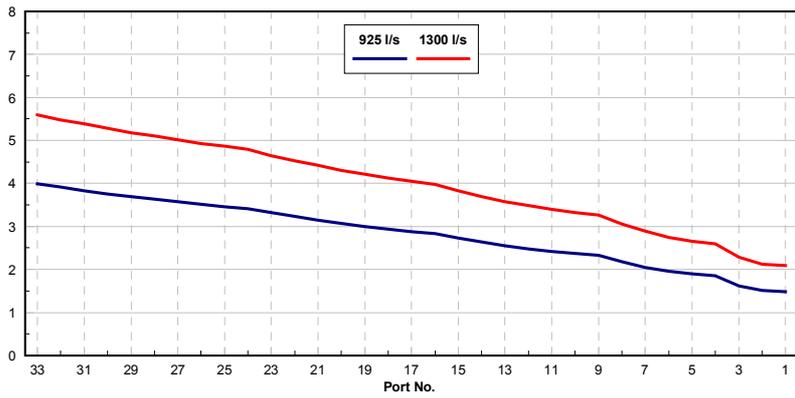
Diffuser hydraulics: 800 to 300 mm main pipe: 33 ports

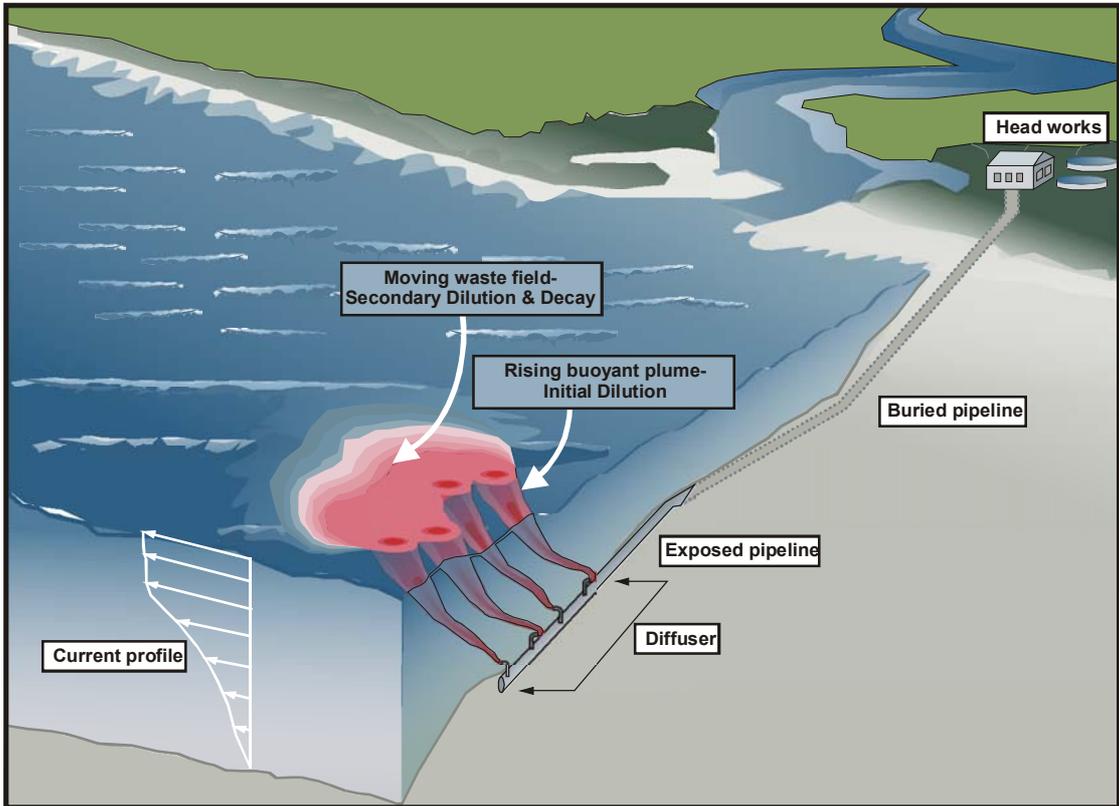
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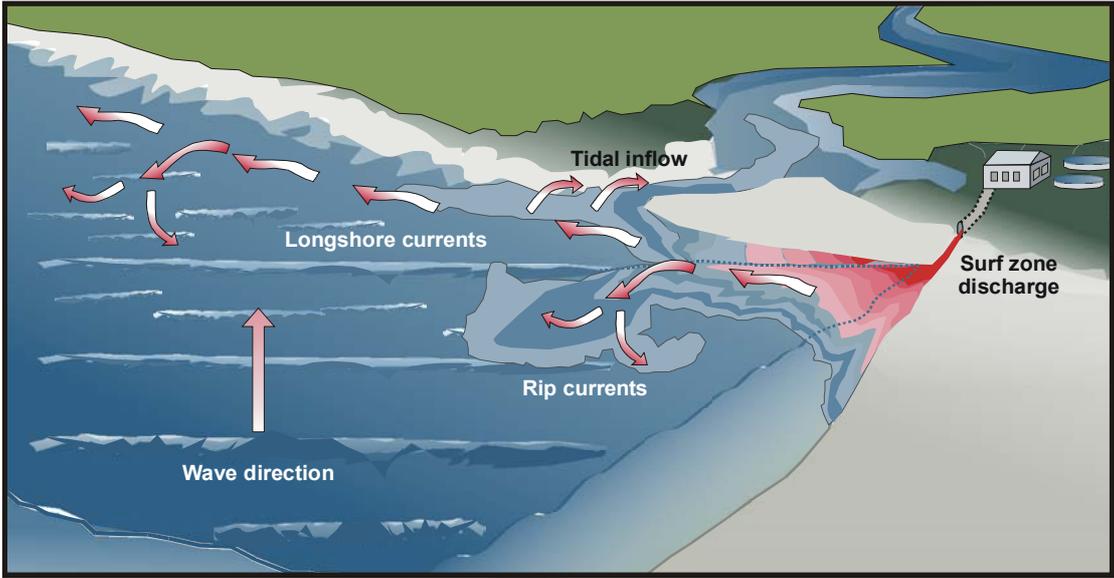


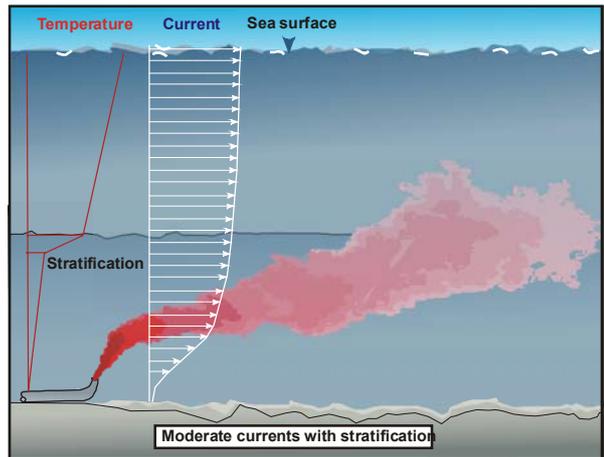
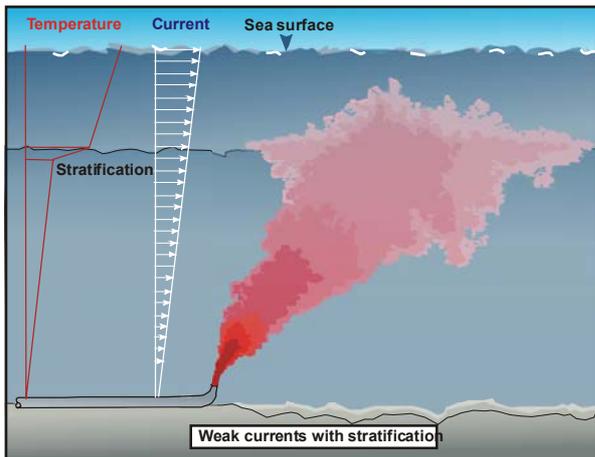
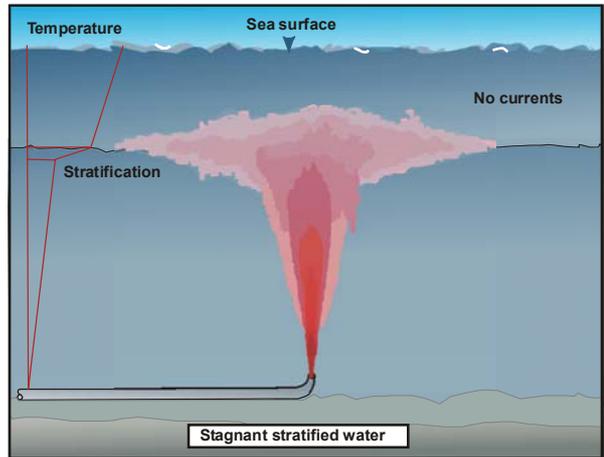
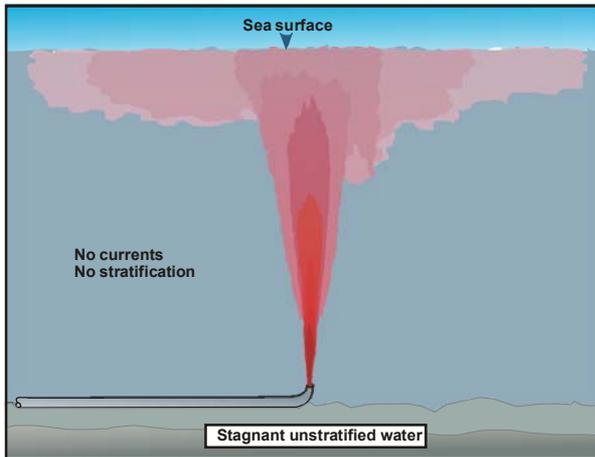
Diffuser hydraulics: 800 to 300 mm main pipe: 33 ports

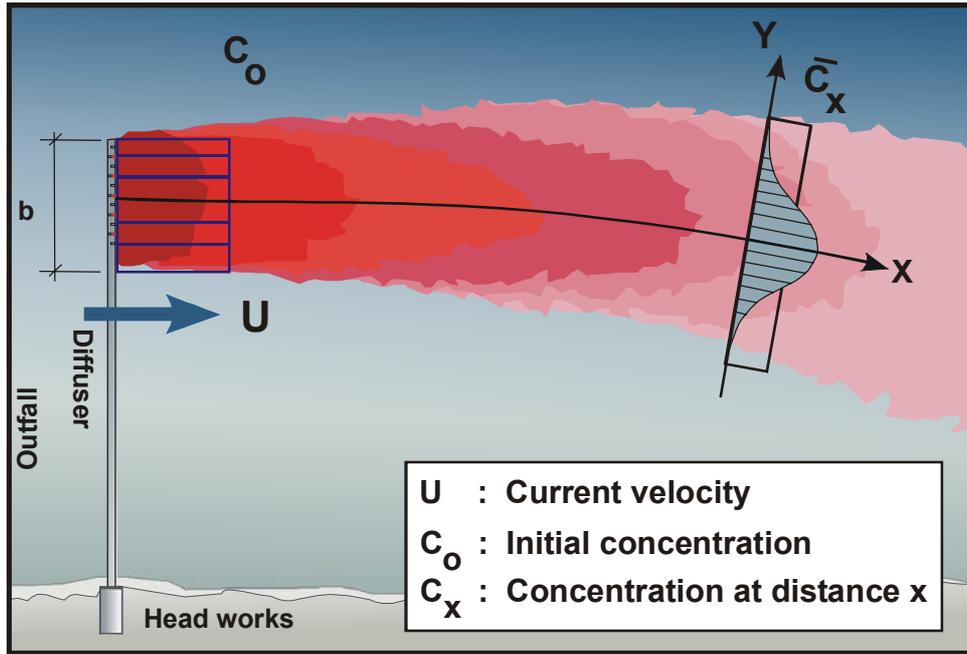
Port exit velocity (m/s)

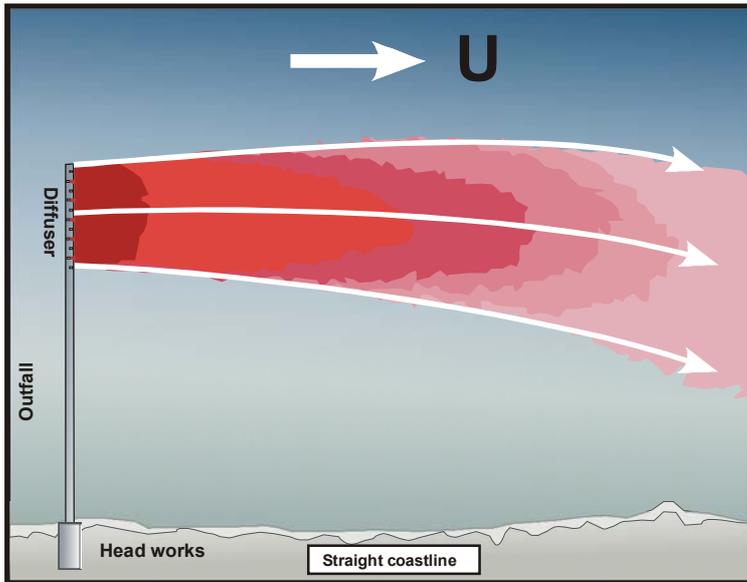


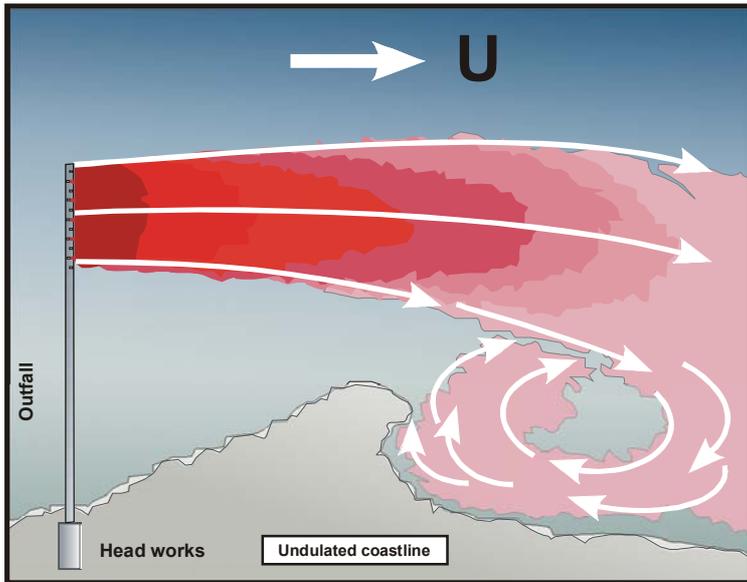


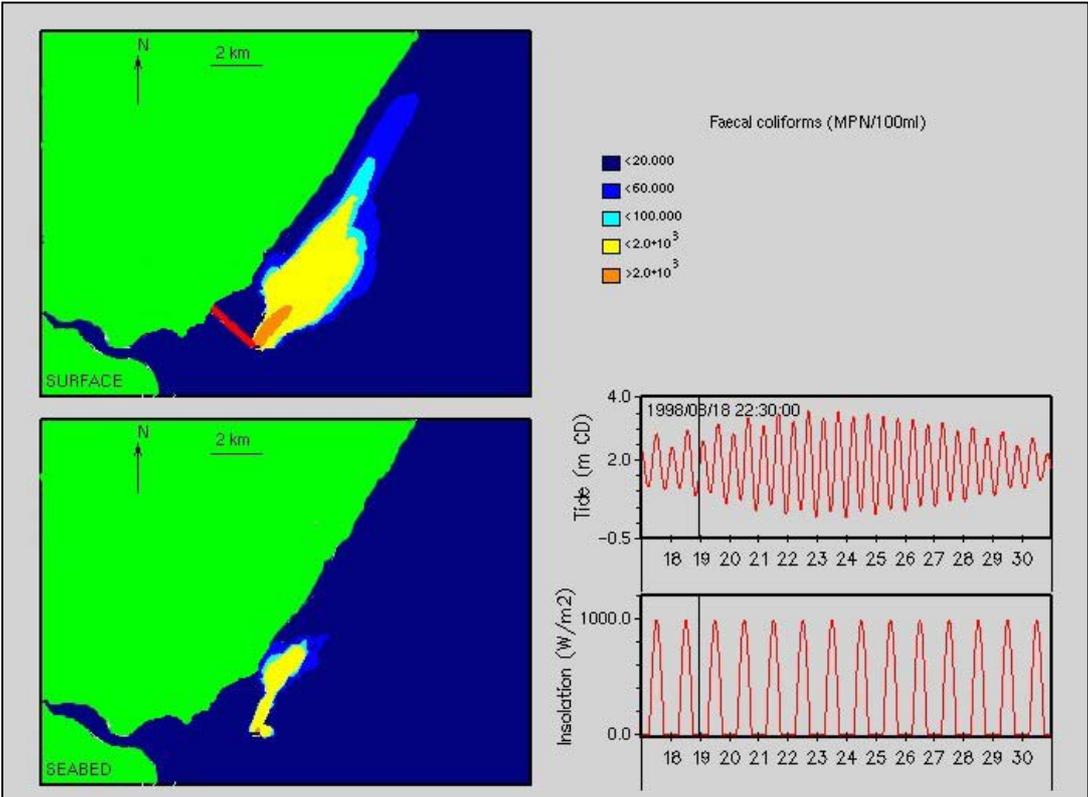


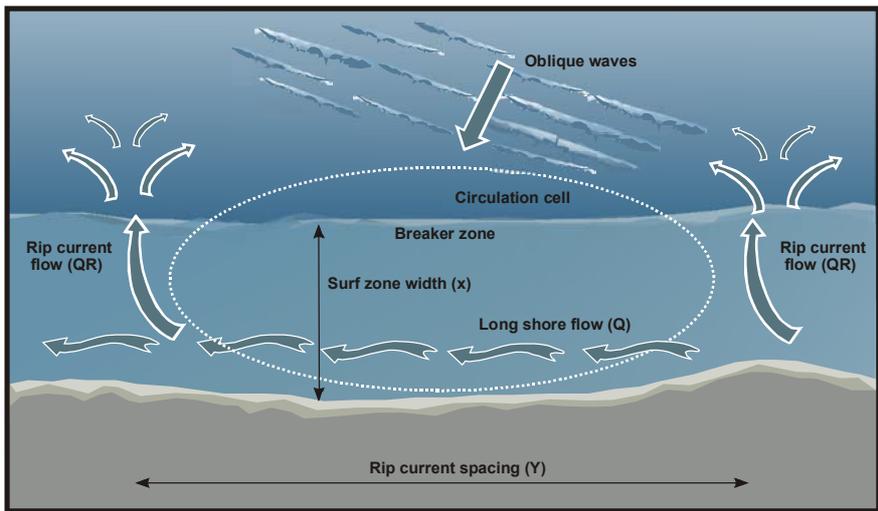
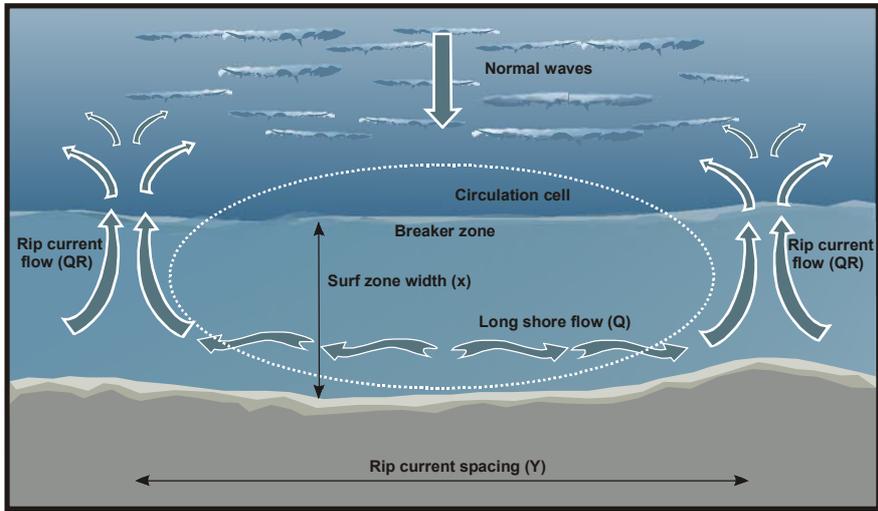


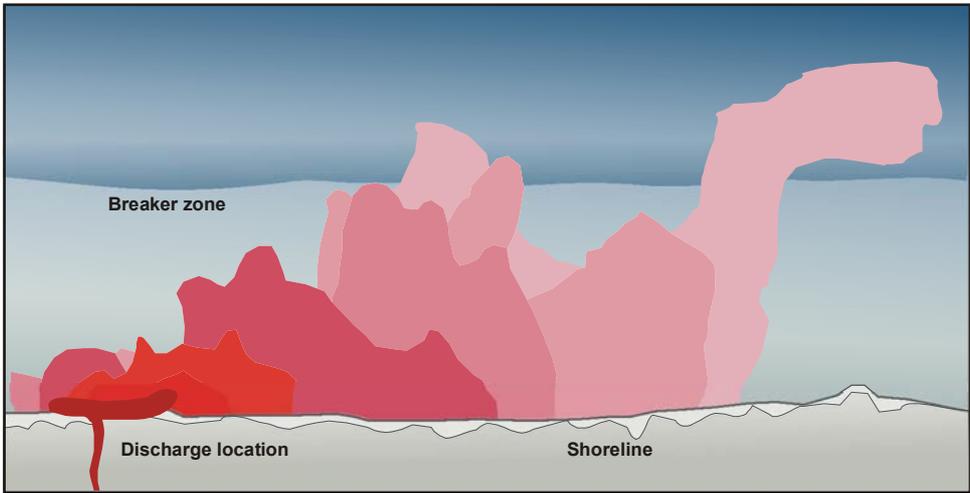


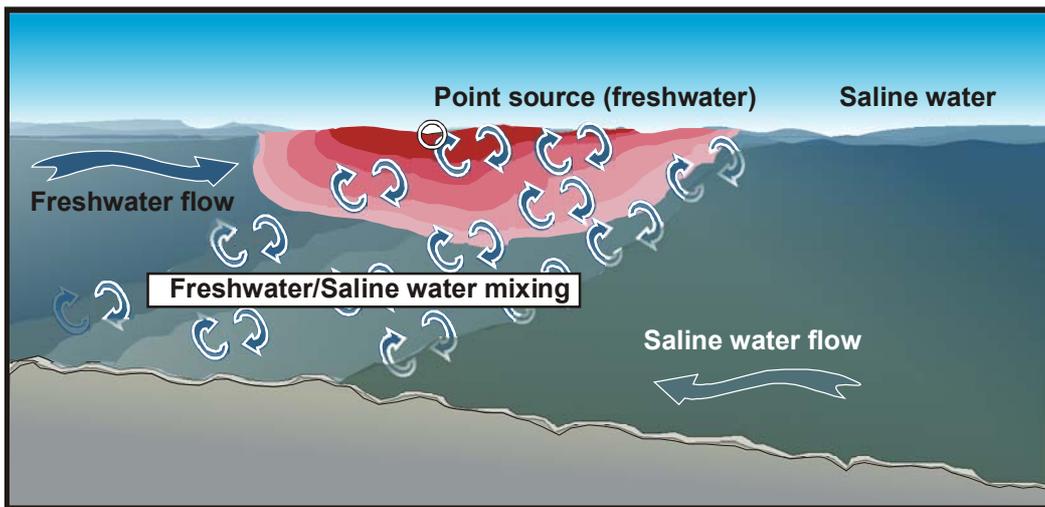


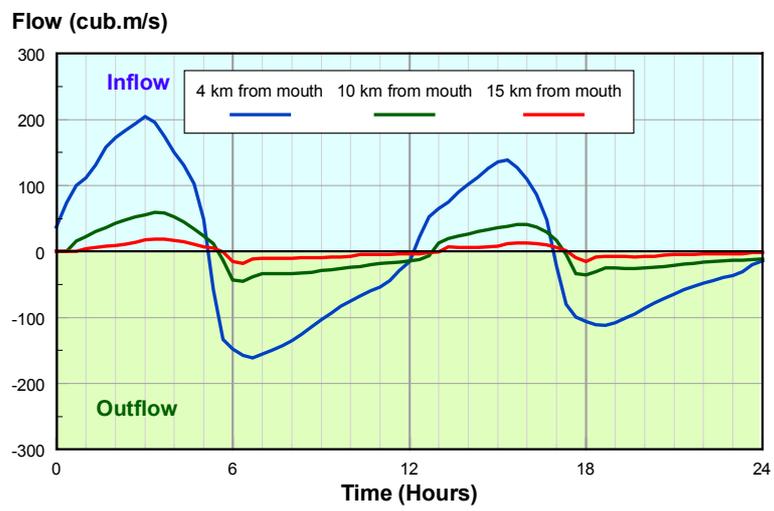


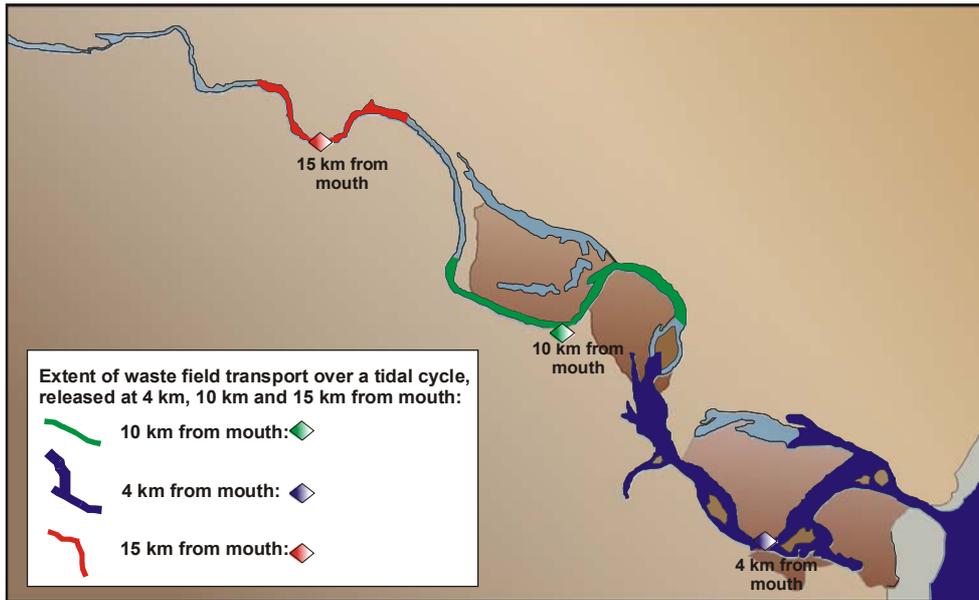




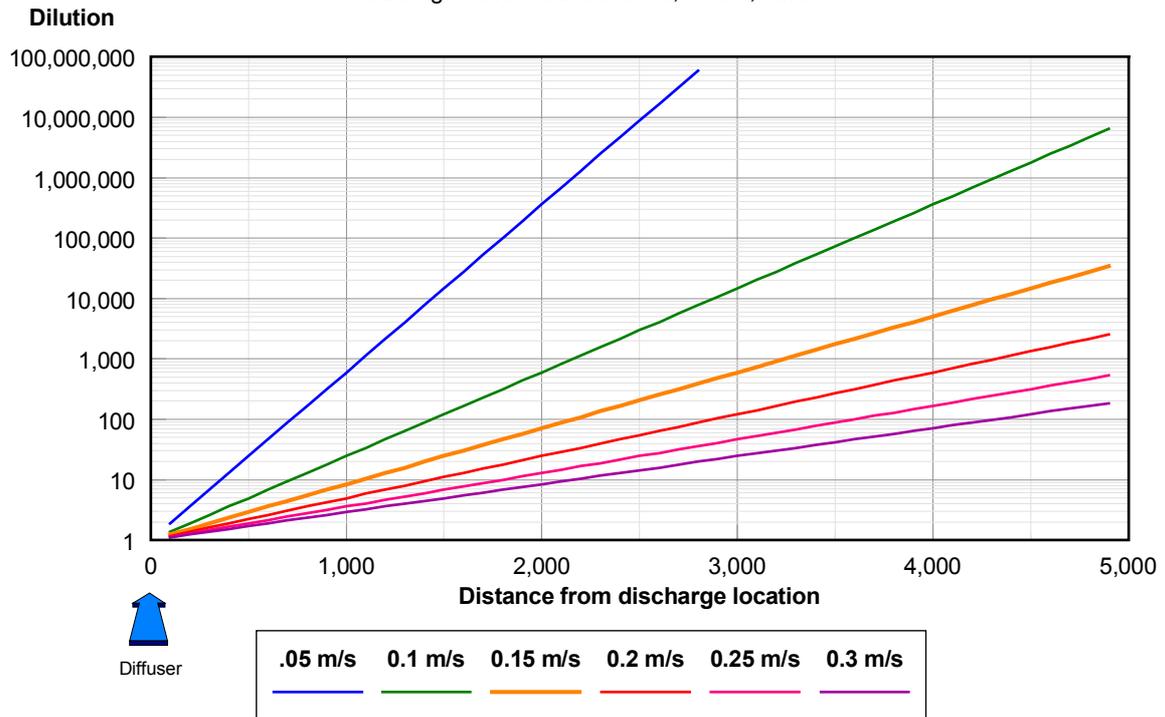




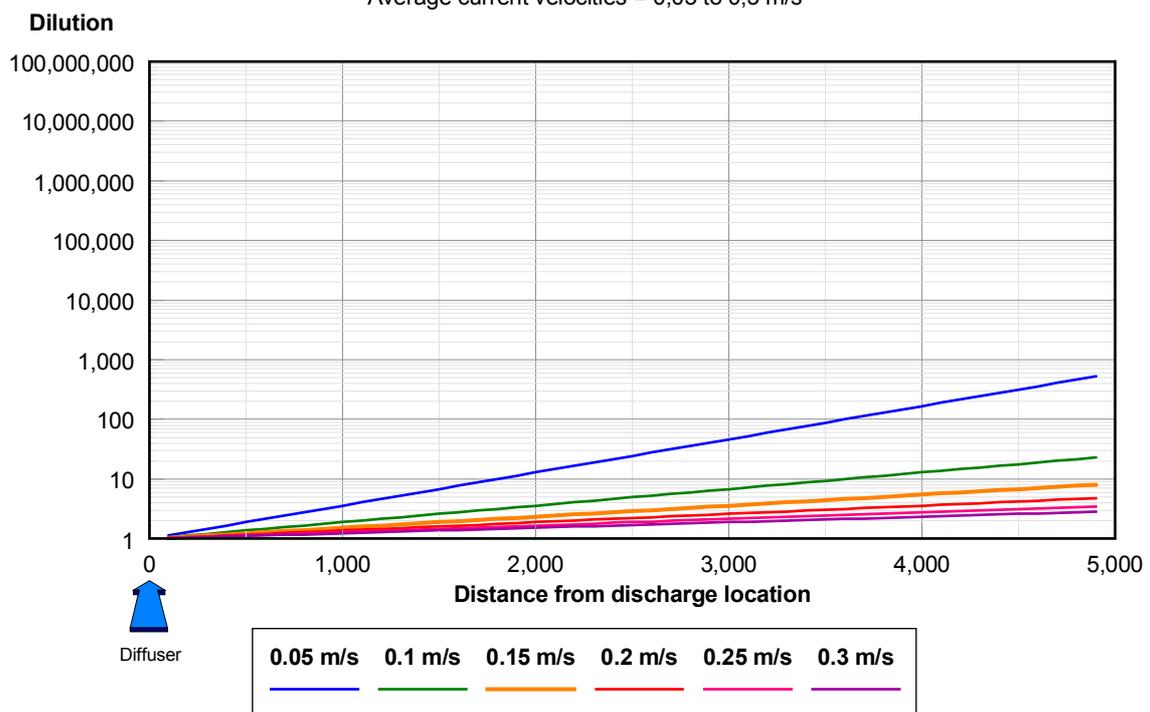




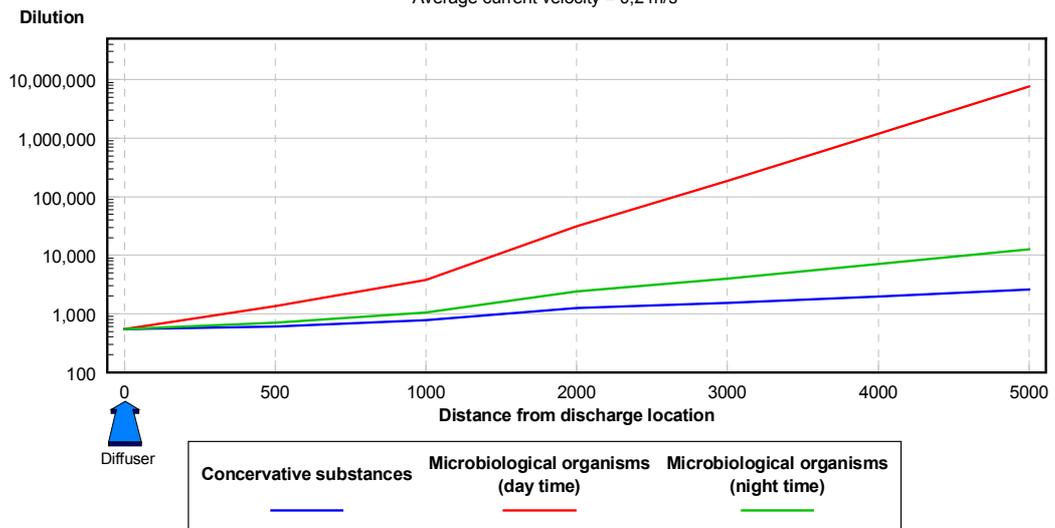
Average current velocities = 0,05 to 0,3 m/s

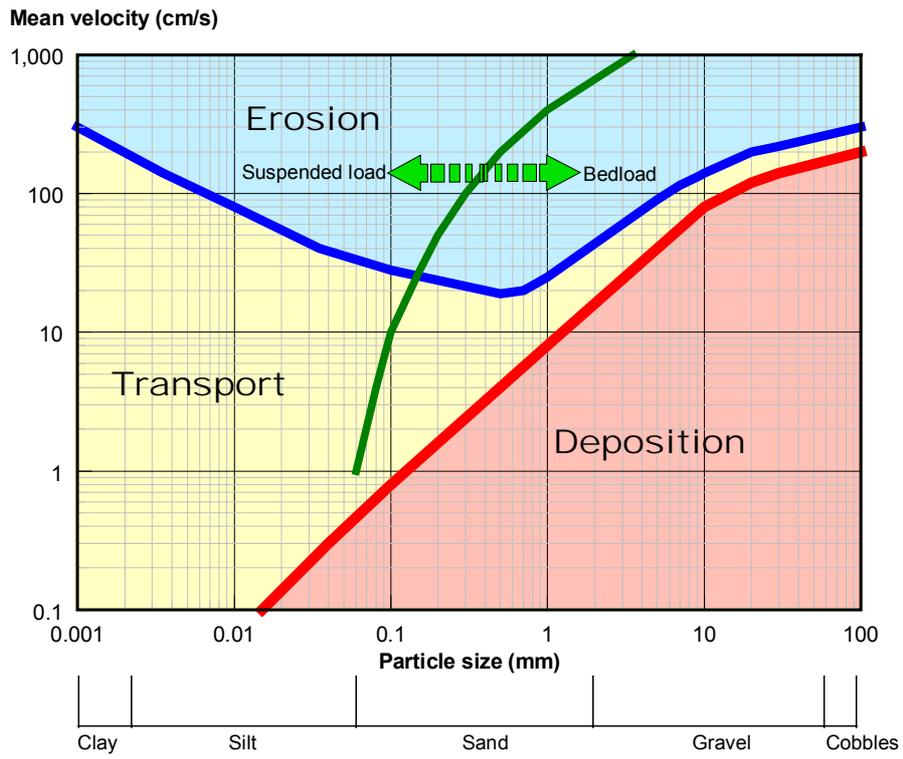


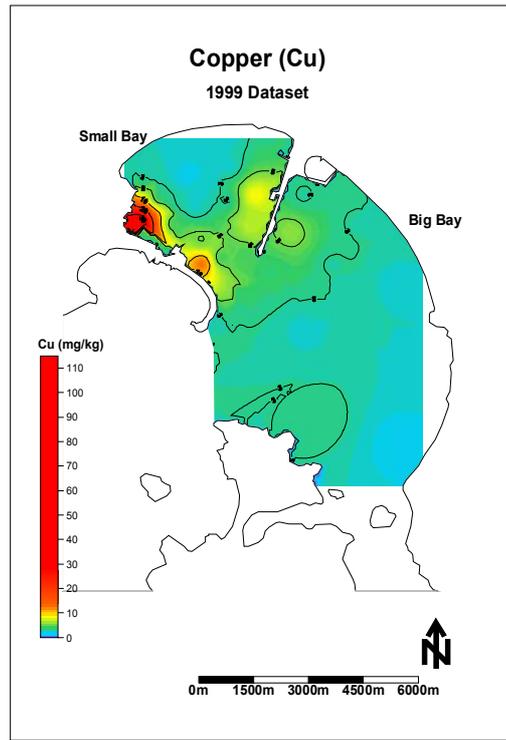
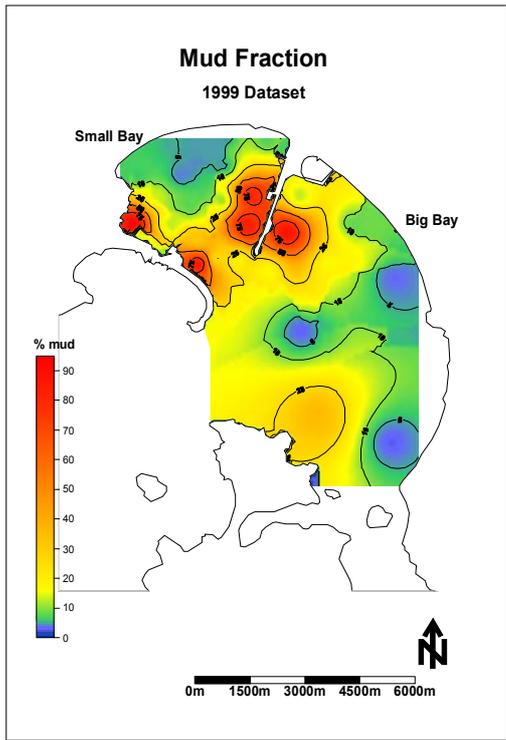
Average current velocities = 0,05 to 0,3 m/s



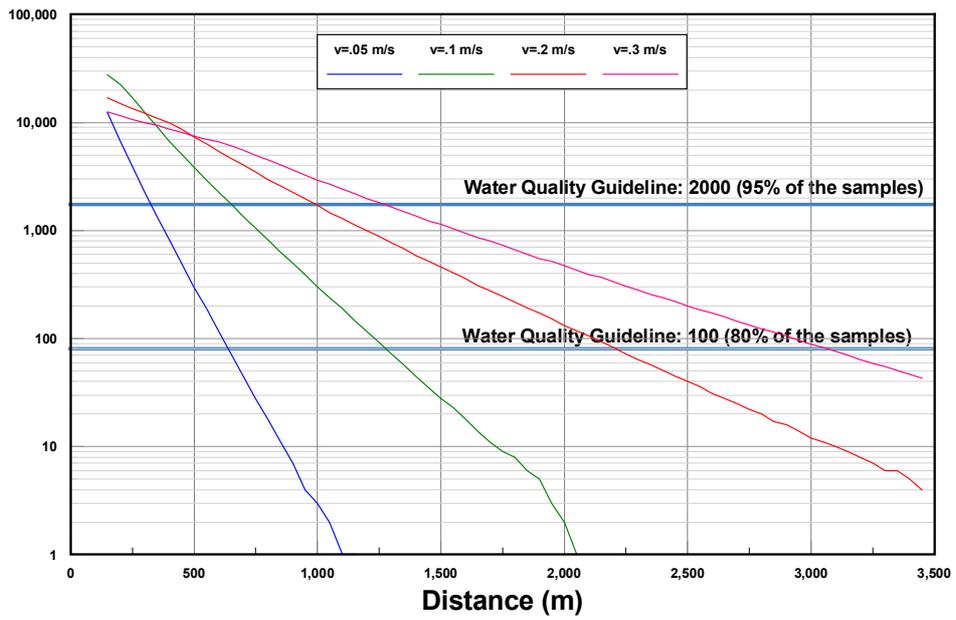
Average current velocity = 0,2 m/s

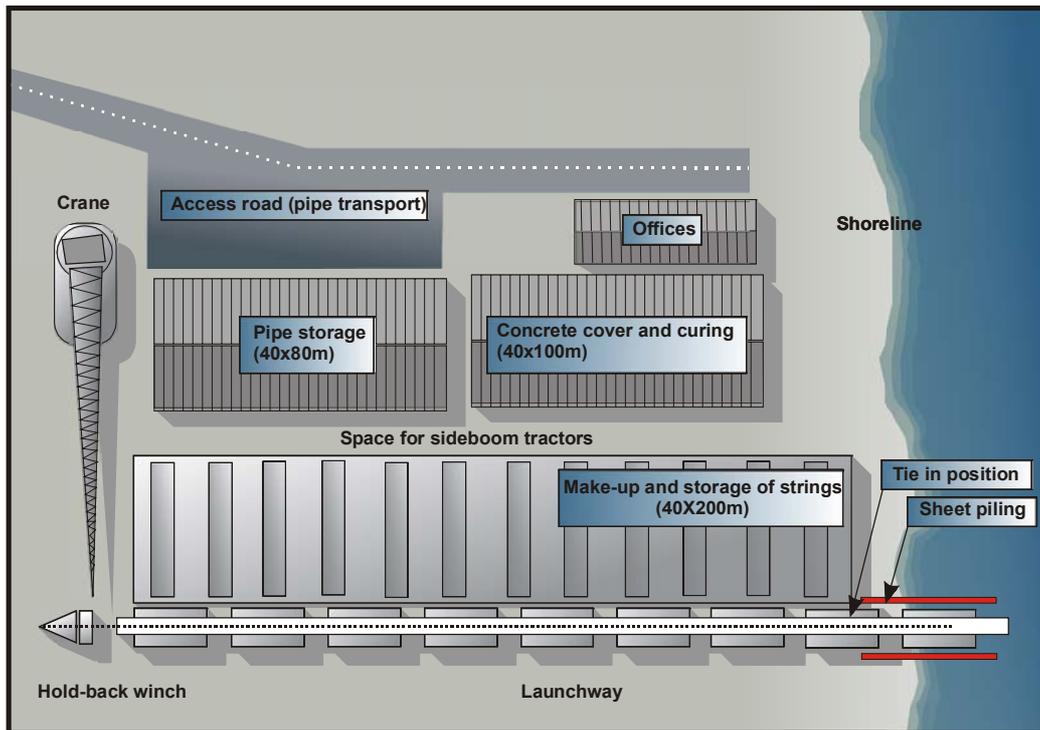


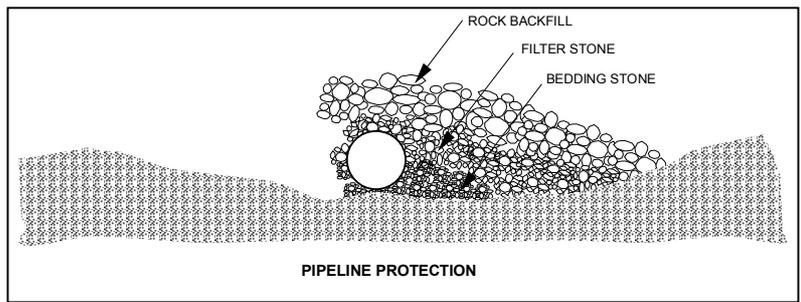
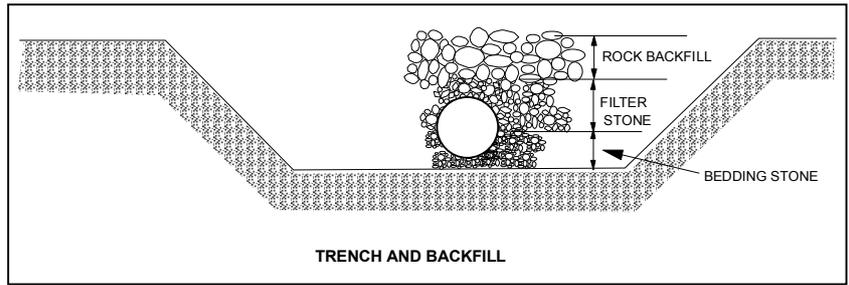


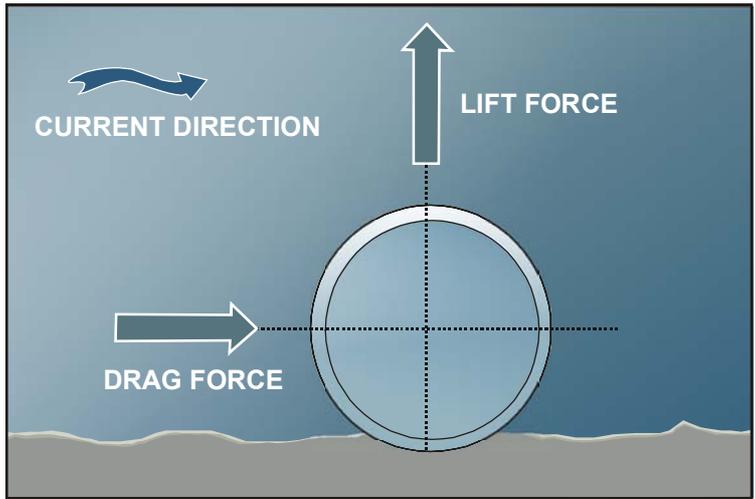


### Faecal coliforms (counts/100 ml)

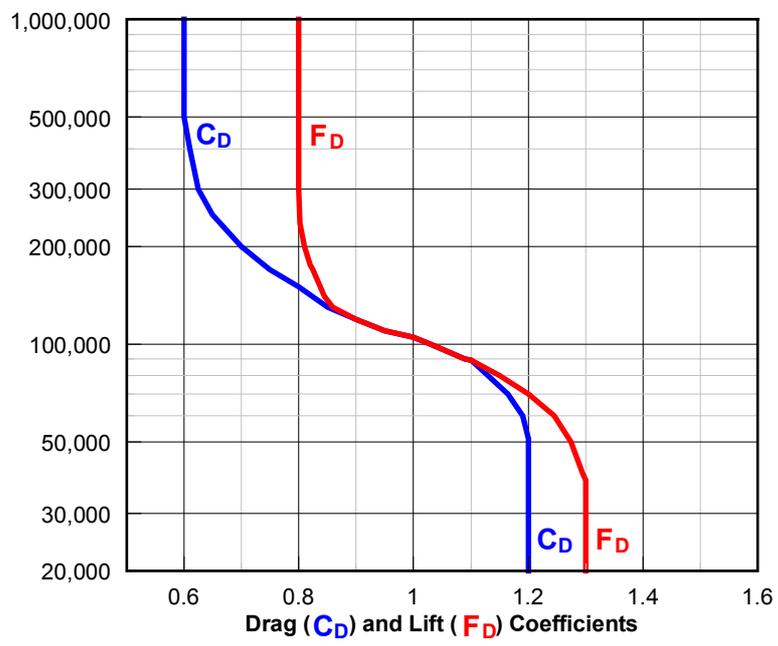








**Reynolds Number**



This Component re,  
Monitoring Plans.....

