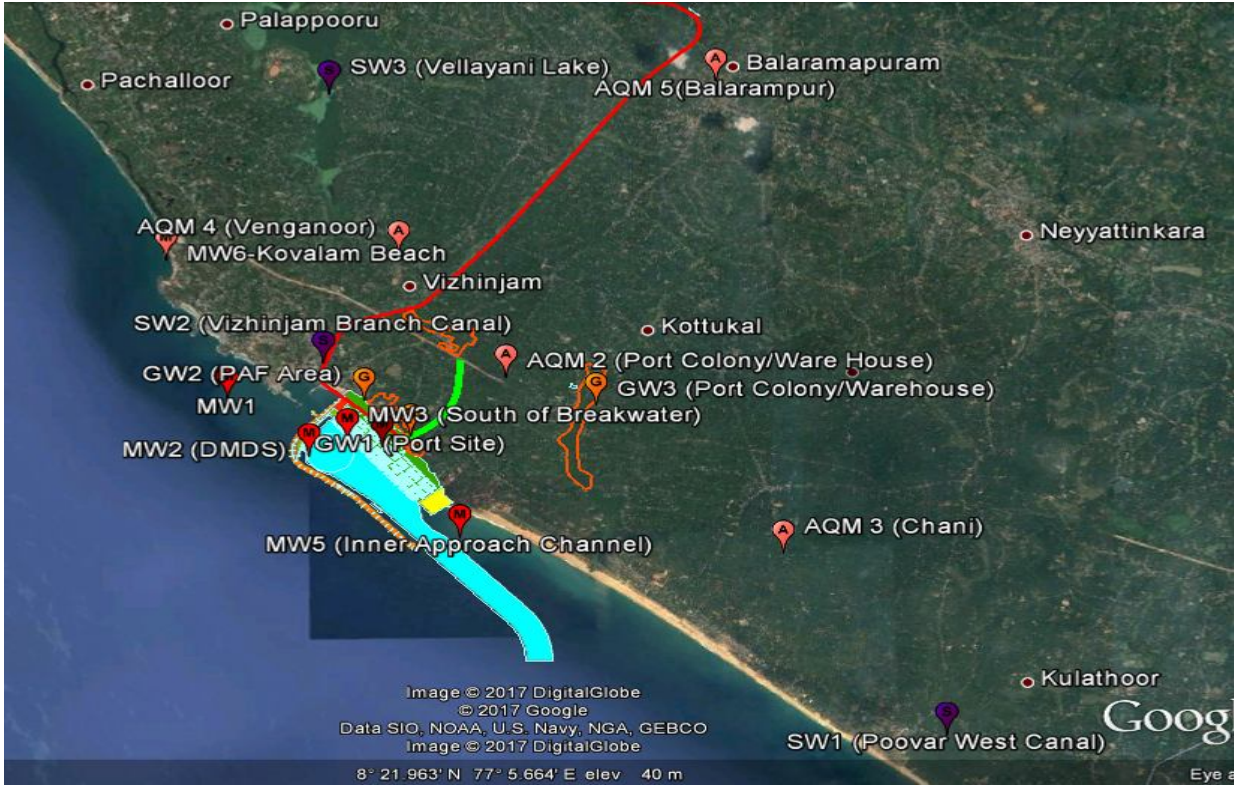


Environment Monitoring Report



Adani Vizhinjam Port Pvt. Ltd.

Vizhinjam, Kerala

December – 2018

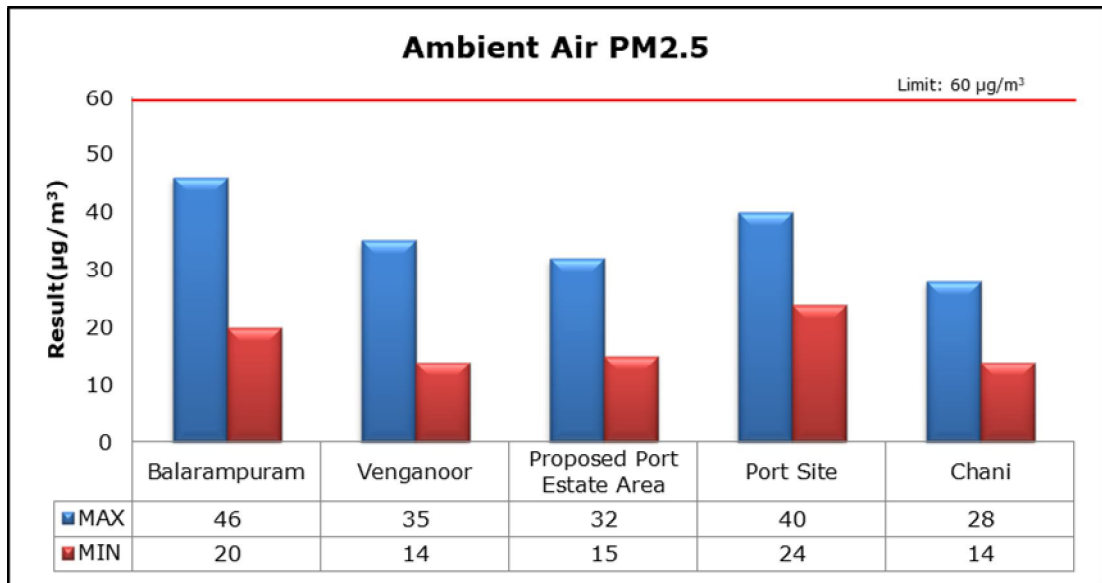
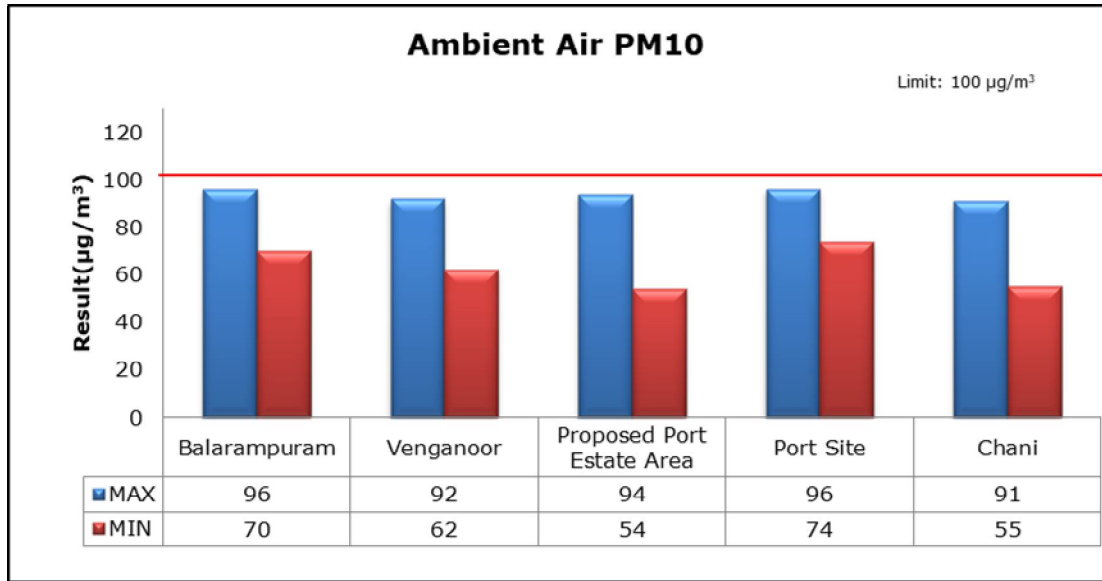
Environment Monitoring Locations:

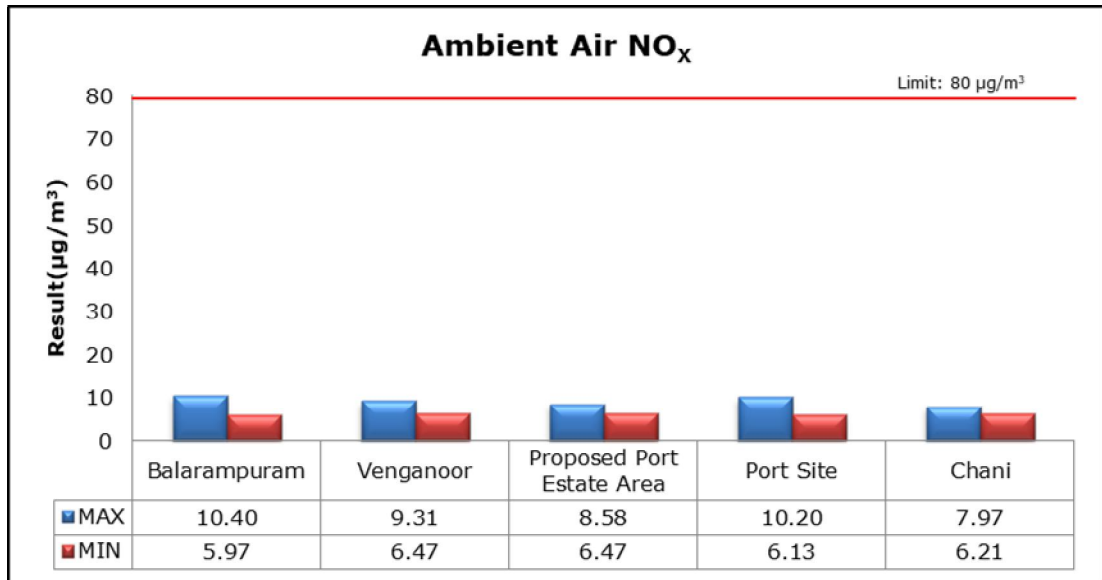
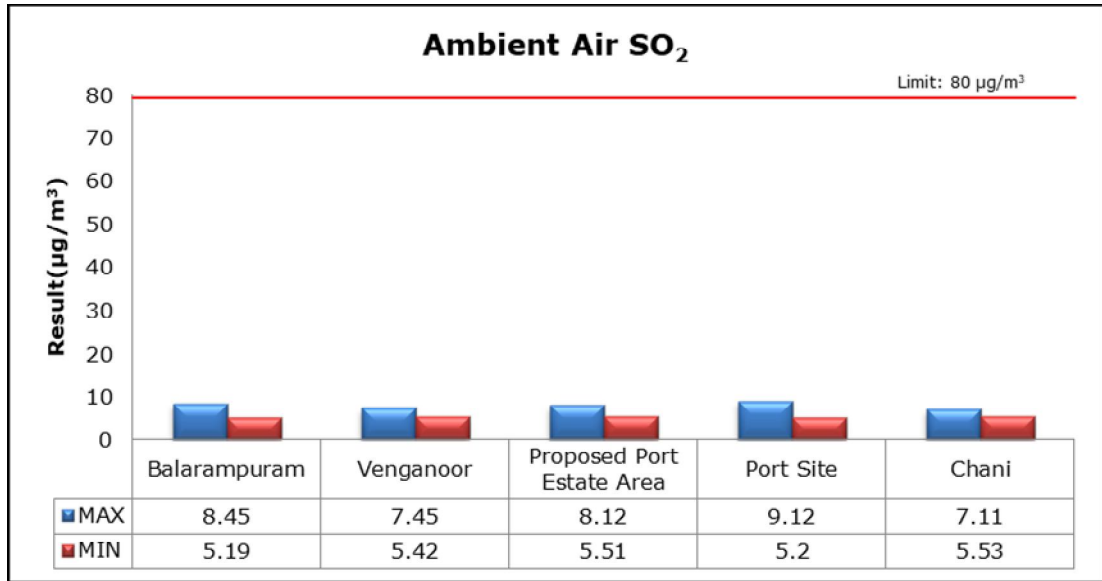
Sl. No.	Environmental Attribute	Location
1.	Ambient Air Quality Monitoring	Port Site (AQM1)
		Proposed Port Estate Area (AQM2)
		Chani (AQM3)
		Venganoor (AQM4)
		Balarampuram (AQM5)
2.	Ambient Noise	Port Site
		Proposed Port Estate Area
		Chani
		Venganoor
		Balarampuram
3.	Marine Water	Near Kovalam Beach (MW1)
		Proposed Dredge Material Disposal Site (MW2)
		South of Break Water (MW3)
		Port Basin (MW4)
		Inner Approach Channel (MW5)
		Kovalam Beach (MW 6)
4.	Groundwater	Port Site (GW 1)
		PAF Area (GW 2)
		Proposed Port Estate Area (GW 3)
5.	Surface Water	Poovar West Canal (SW 1)
		Vizhinjam Branch Canal (SW 2)
		Vellayani Lake (SW 3)

1. Summary

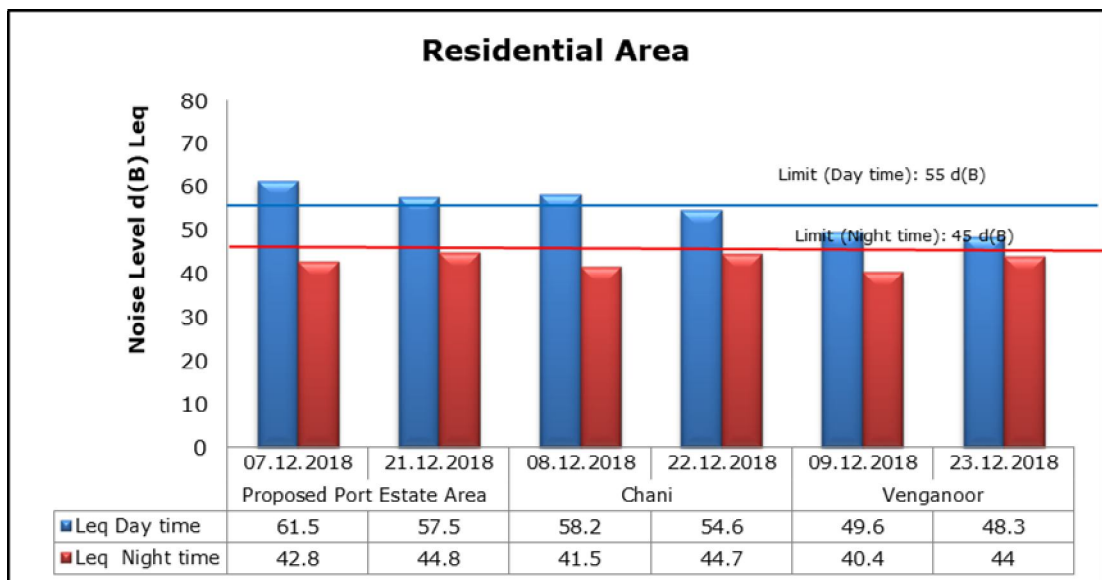
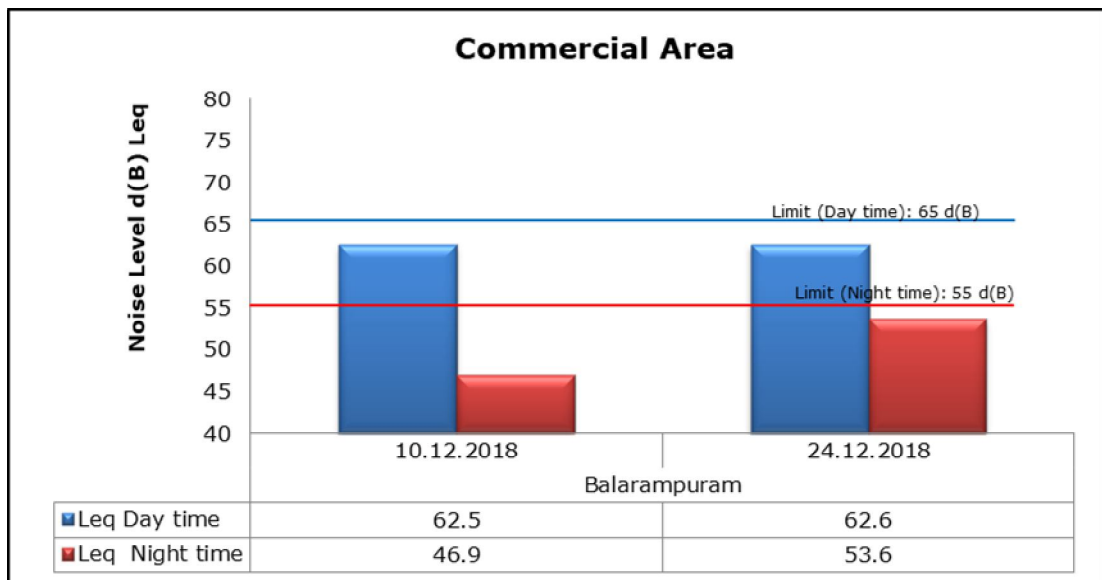
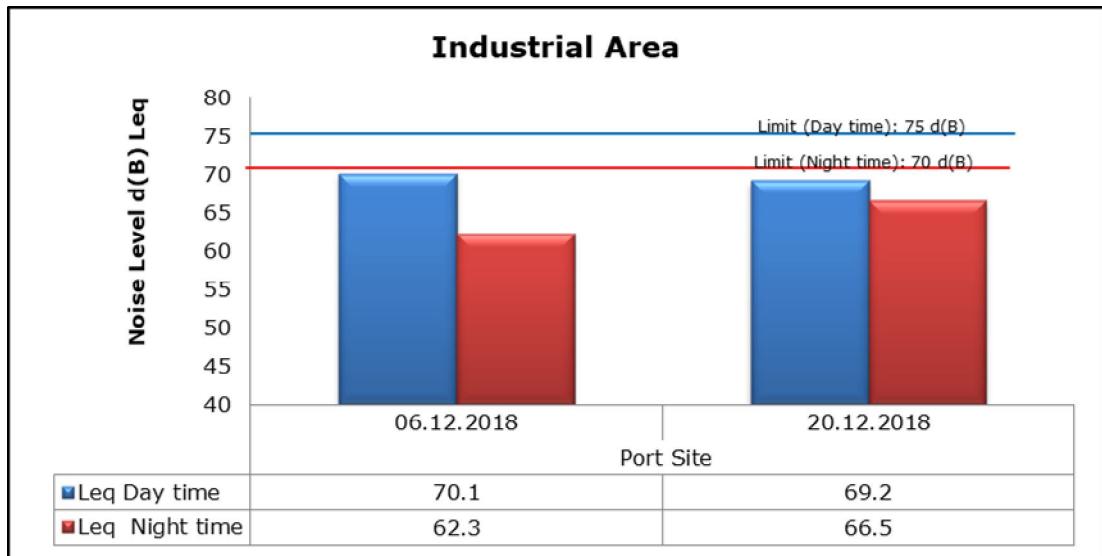
- The ambient air quality monitoring results were observed to be within National Ambient Air Quality Standards (NAAQS), 2009 at all the five locations during the month of December.
- Noise readings were within limits at all the monitoring locations during the month of December except during day time at Proposed Port Estate Area and Chani, near Proposed Port Estate Area the higher noise is due to highway construction activities going on nearby to monitoring location, at Chani the reading were recorded higher during the day time only once and it may be due to traffic on the road adjacent to monitoring location.
- All the parameters of groundwater were recorded within the acceptable limits at all the locations.
- Surface water sample and marine water results were observed to be comparable with the baseline.

2. Ambient Air Quality



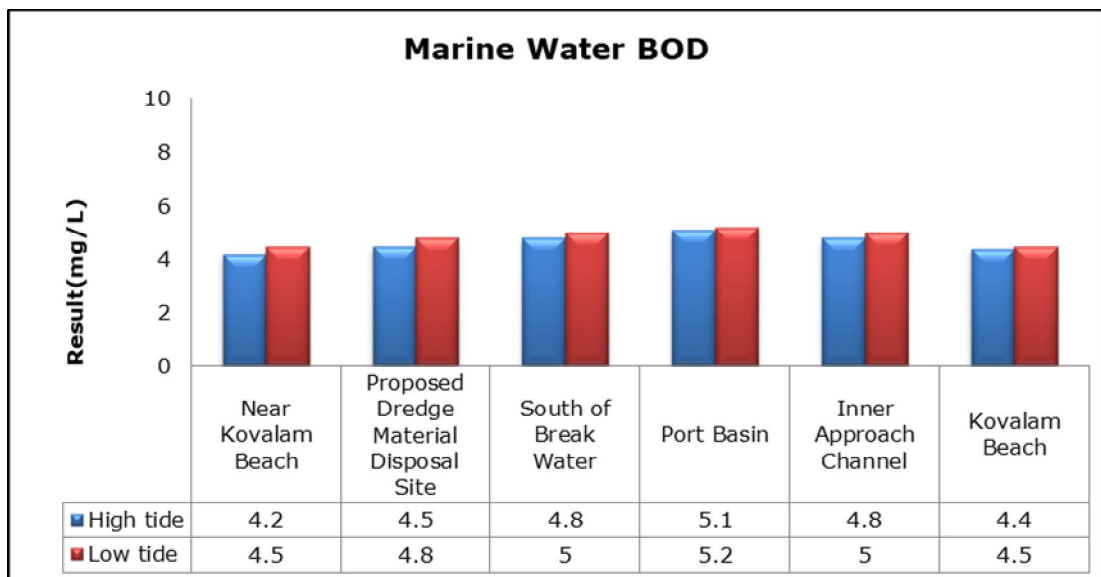
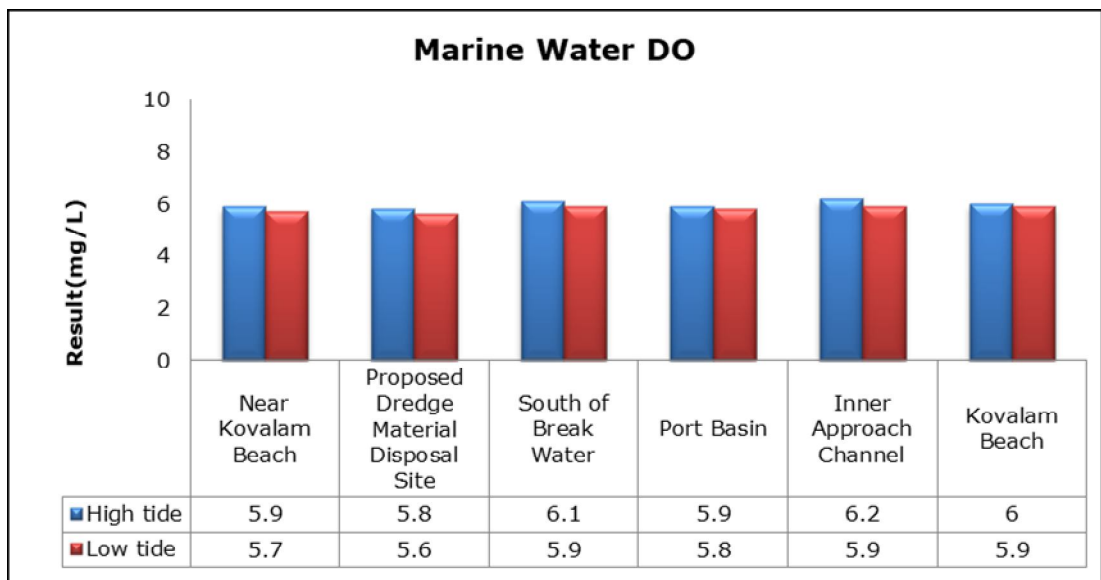
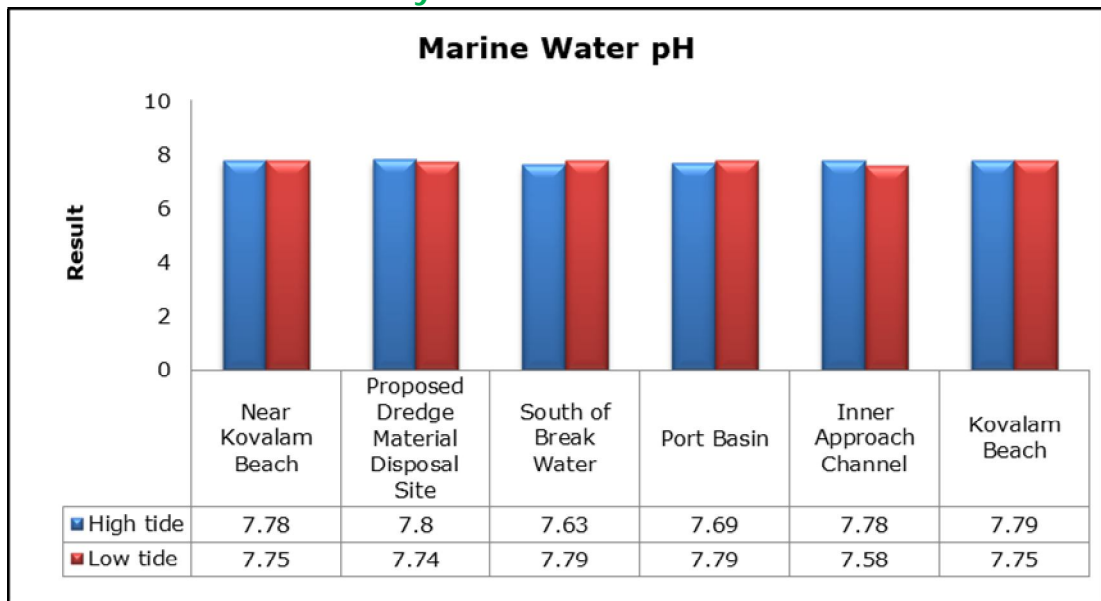


3. Ambient Noise

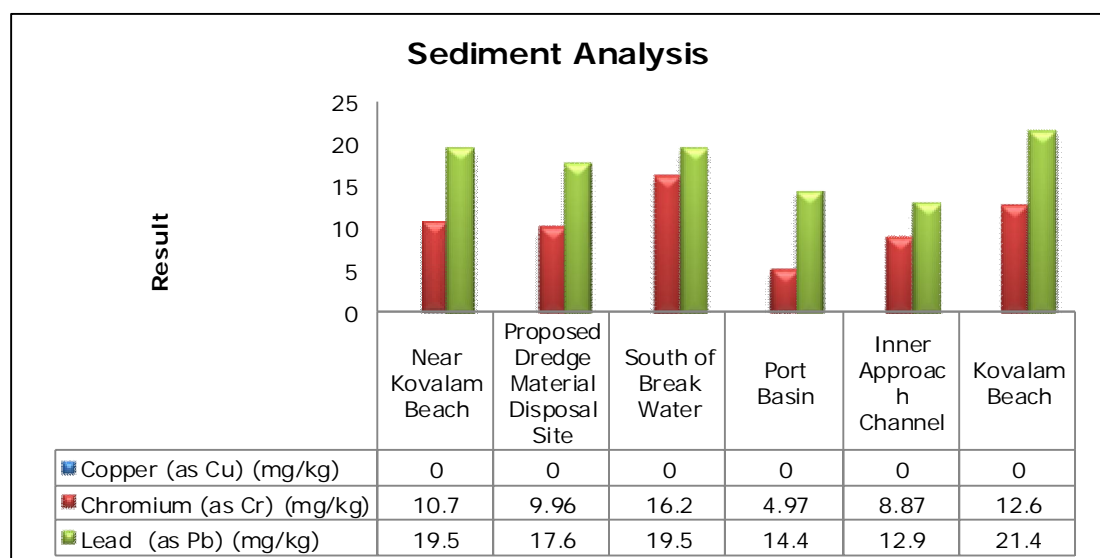
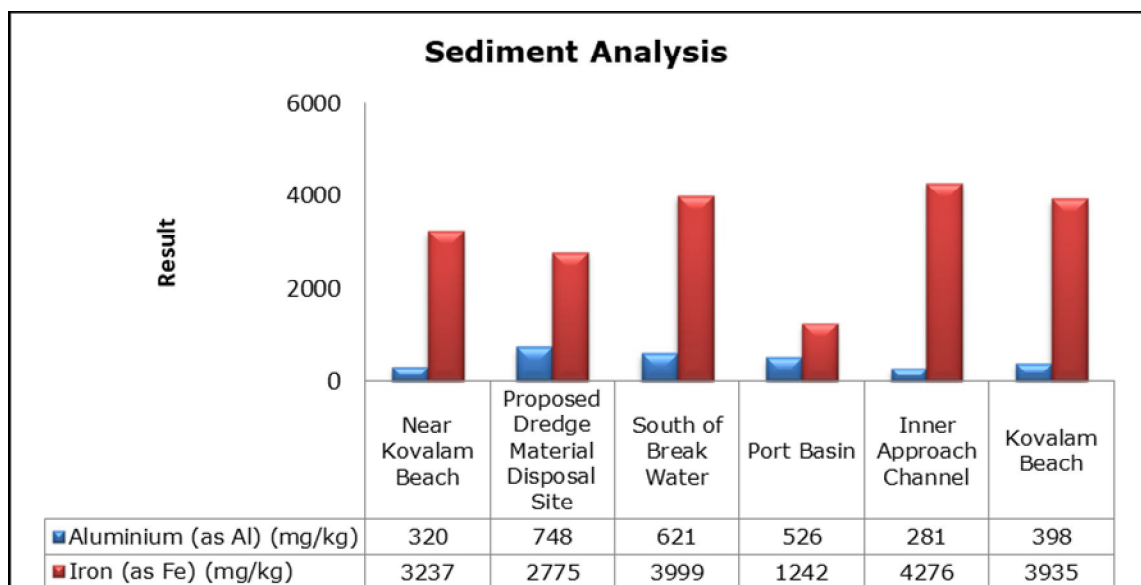
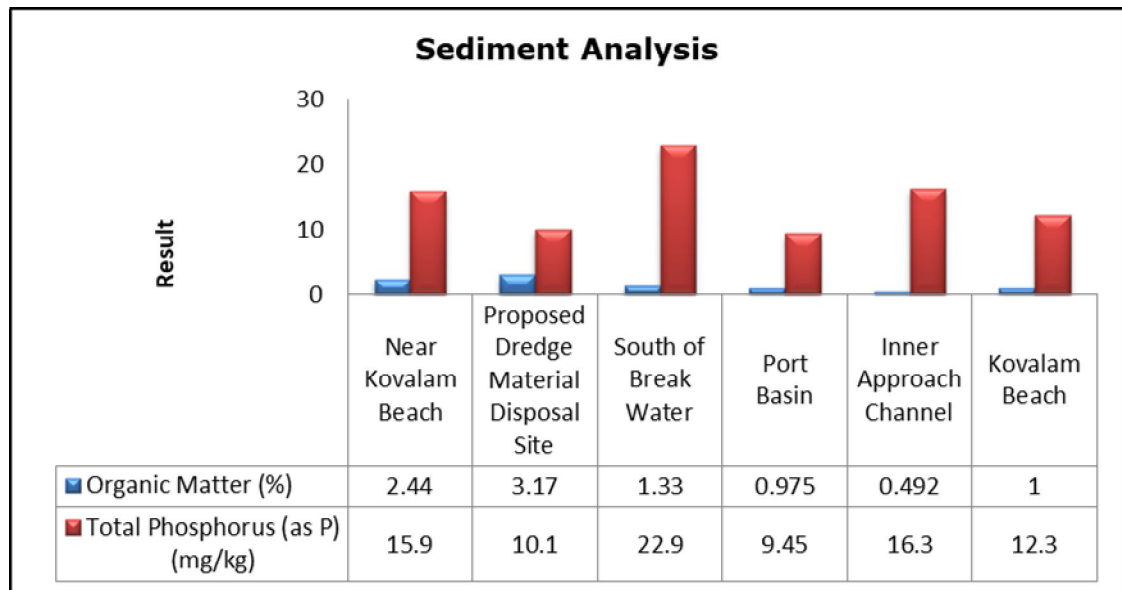


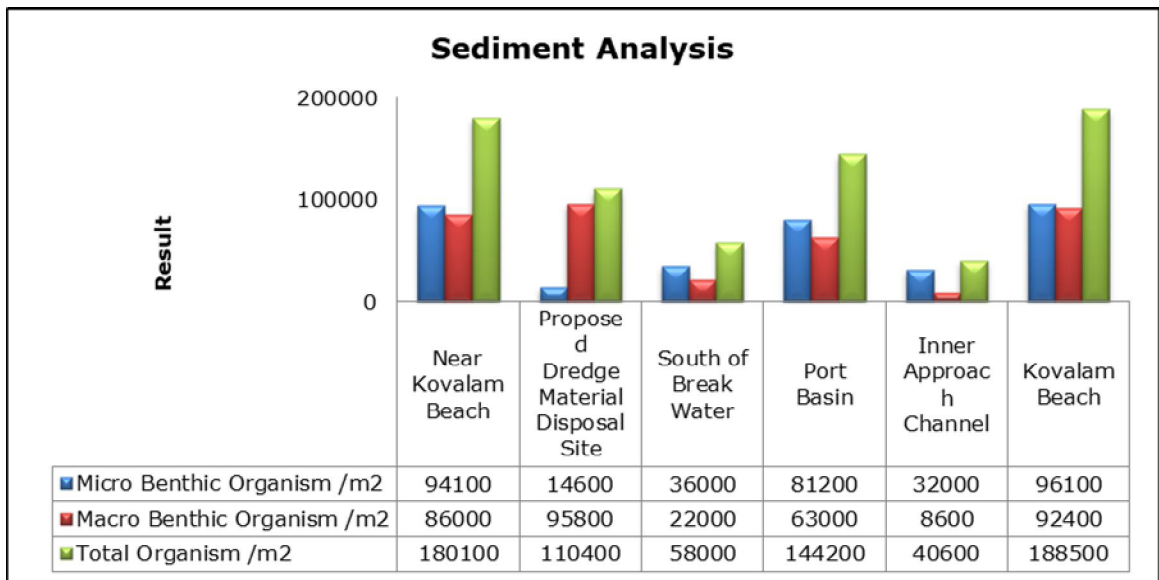
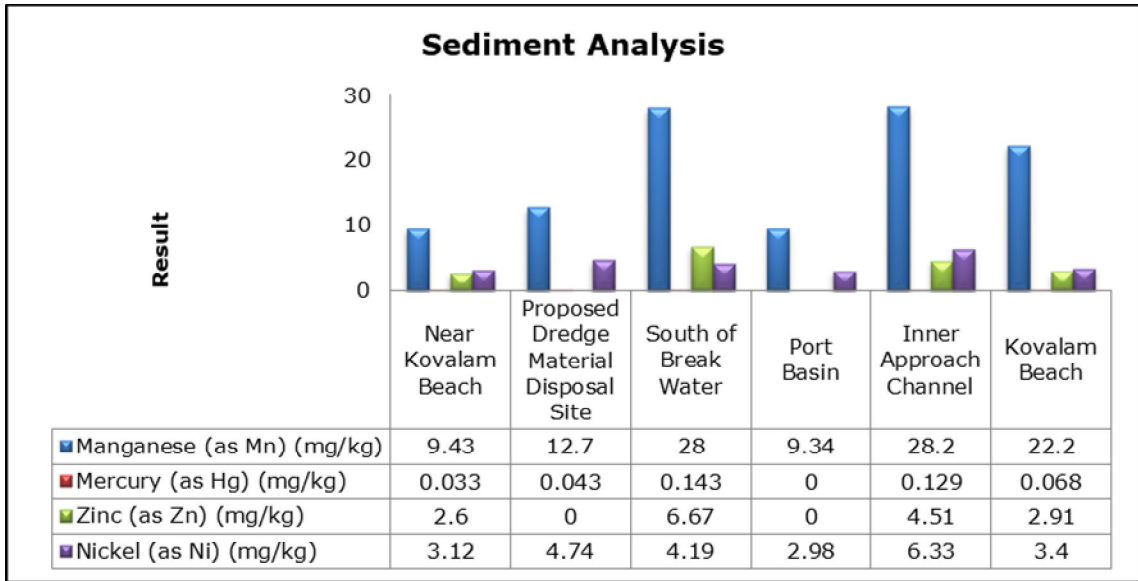
4. Marine Survey

4 a. Marine Water Analysis

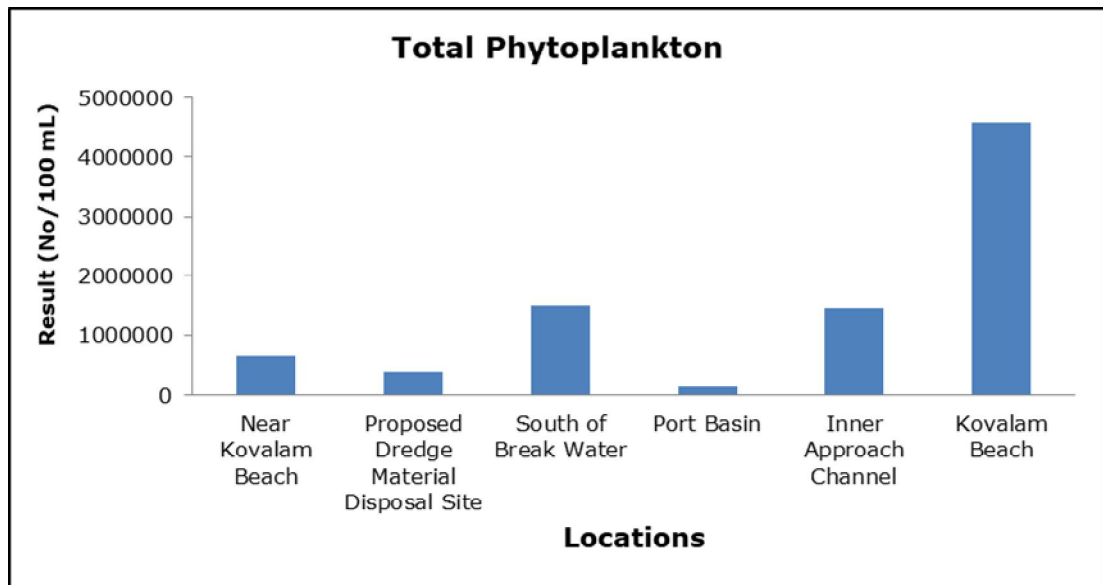


4 b. Sediment Analysis

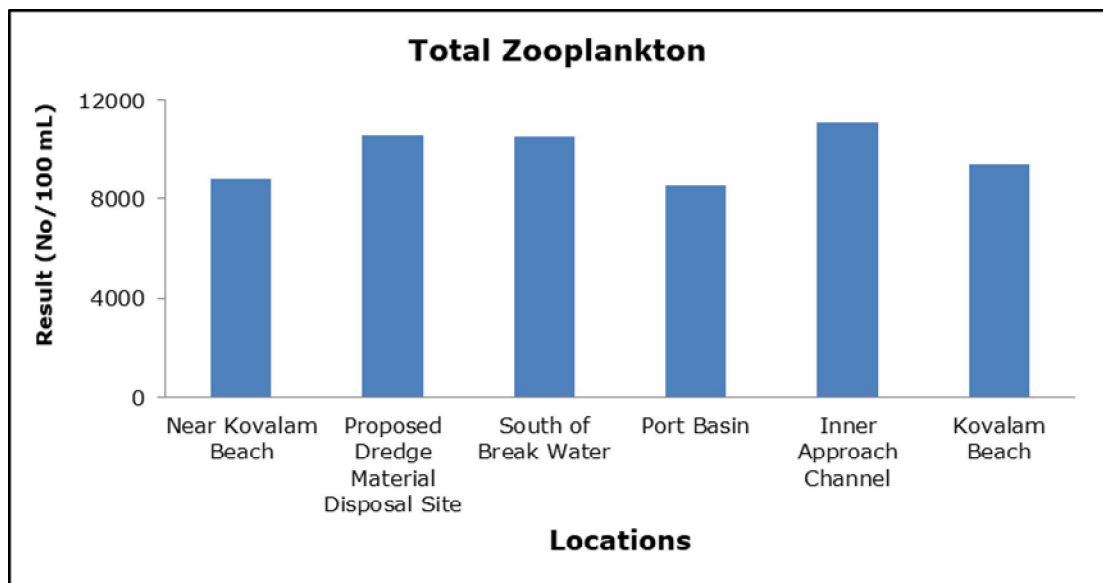




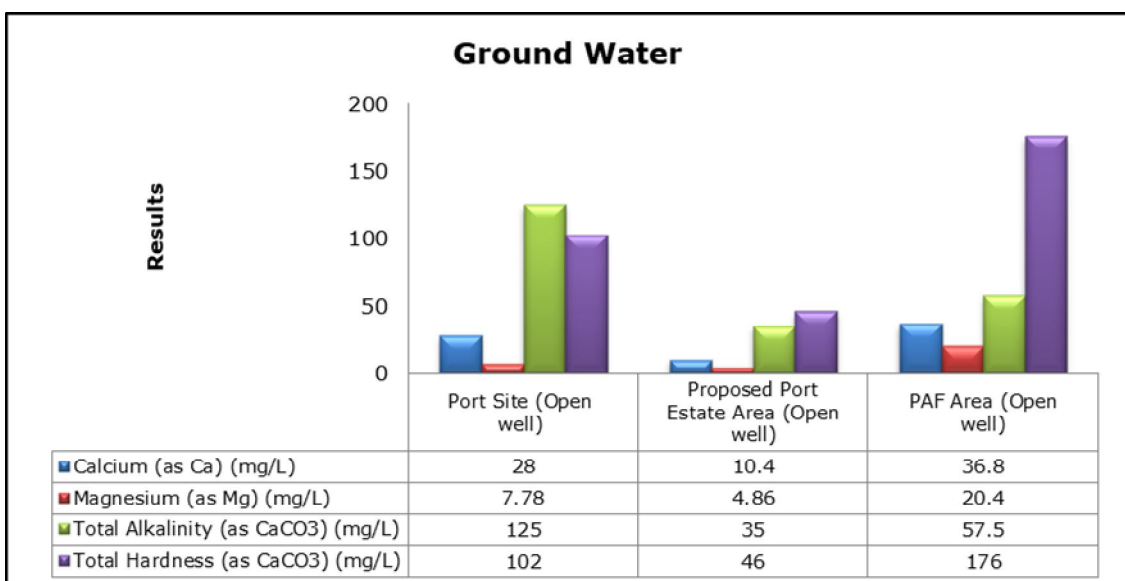
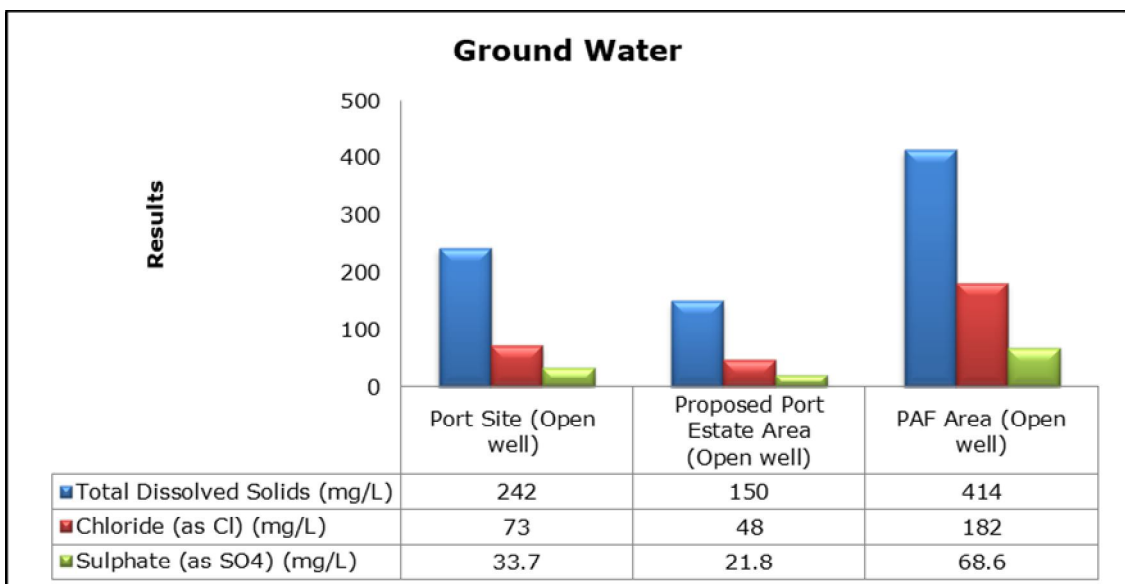
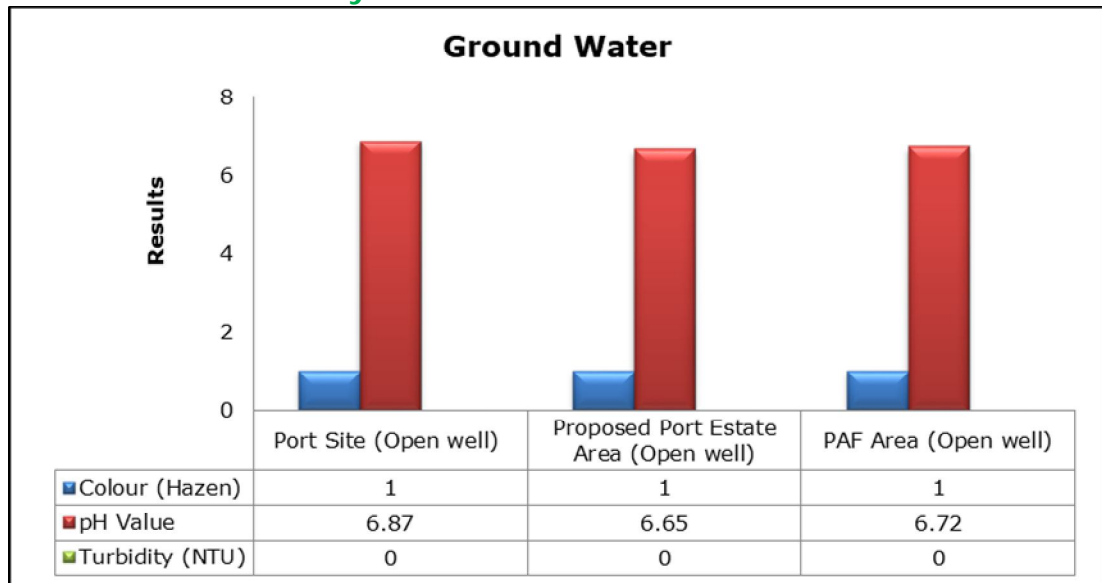
4 c. Phytoplankton Analysis from Marine Samples

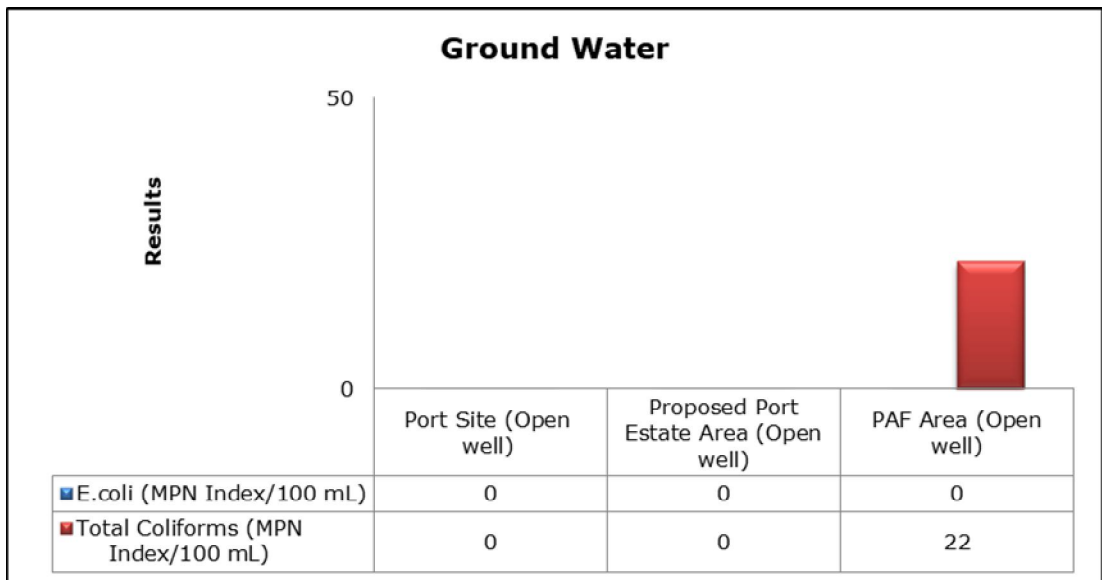
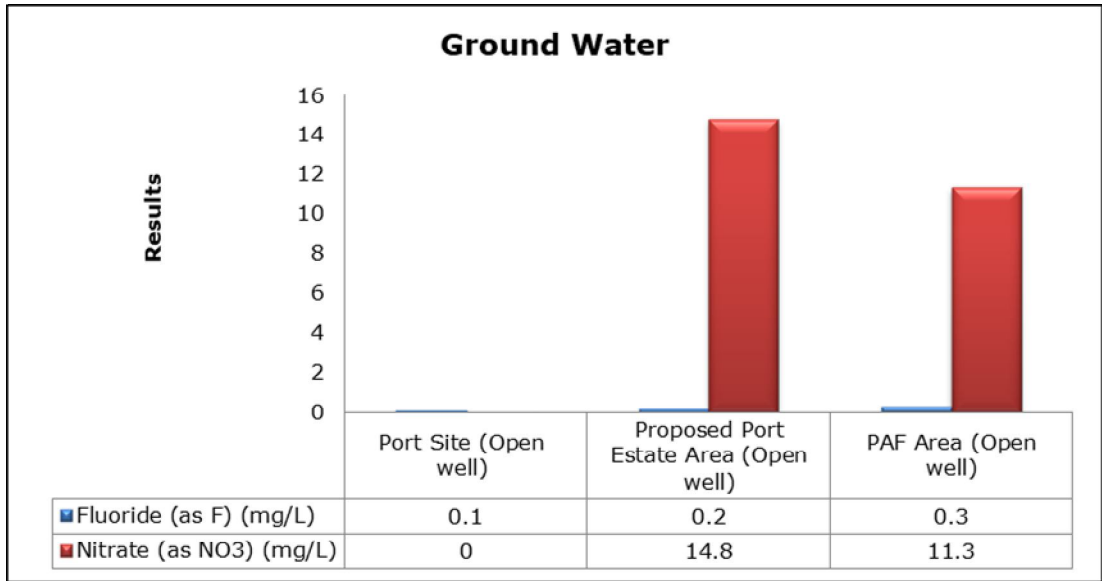


4 d. Zooplankton Analysis from Marine Sample



5. Groundwater Analysis





6. Surface Water Analysis

