

Environment Monitoring Report



Adani Vizhinjam Port Pvt. Ltd.

Vizhinjam, Kerala

July – 2020

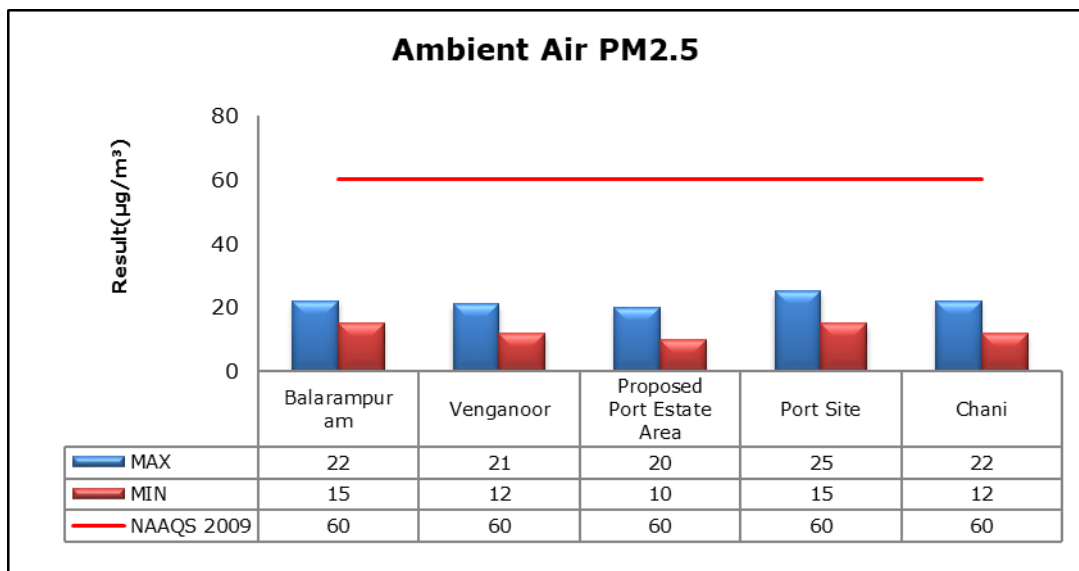
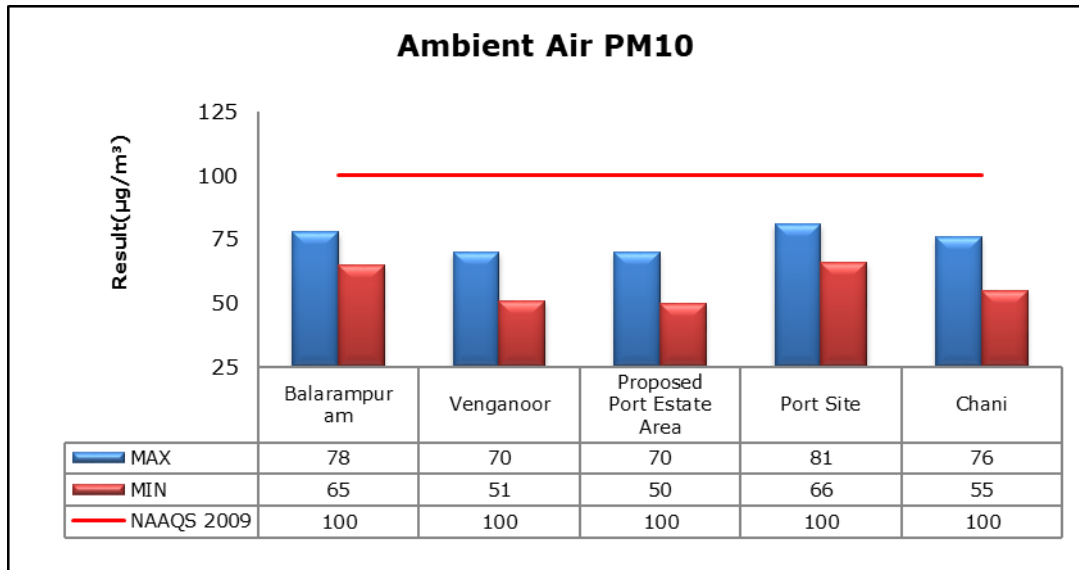
Environment Monitoring Locations:

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 (Industrial)
		Proposed Port Estate Area (Commercial)
		Chani (Residential)
		Venganoor (Residential)
		Balarampuram (Residential)
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)

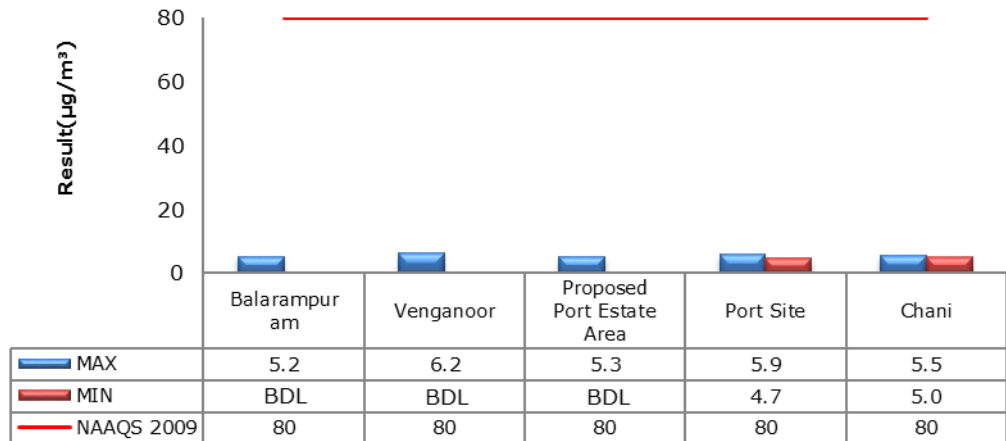
1. Summary

- 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 July 2020. Ambient Air Quality Monitoring was not conducted for 20th, 23rd and 27th of July 2020 due to the lockdown restrictions imposed in the area by the Government of Kerala; in view of the COVID-19 pandemic situation.
- Noise readings were within limits at all the monitoring locations during the month of July 2020. Due to COVID-19 pandemic situation in the area, noise monitoring at Port Site Location for second fortnight could not be conducted.
- All the parameters of groundwater were recorded within the acceptable limits at all the locations.
- Surface water results were observed to be comparable with the baseline.
- Marine water and sediment samples were not collected during the month of July 2020 due to the lockdown restrictions imposed in the area by the Government of Kerala; in view of the COVID-19 pandemic situation.

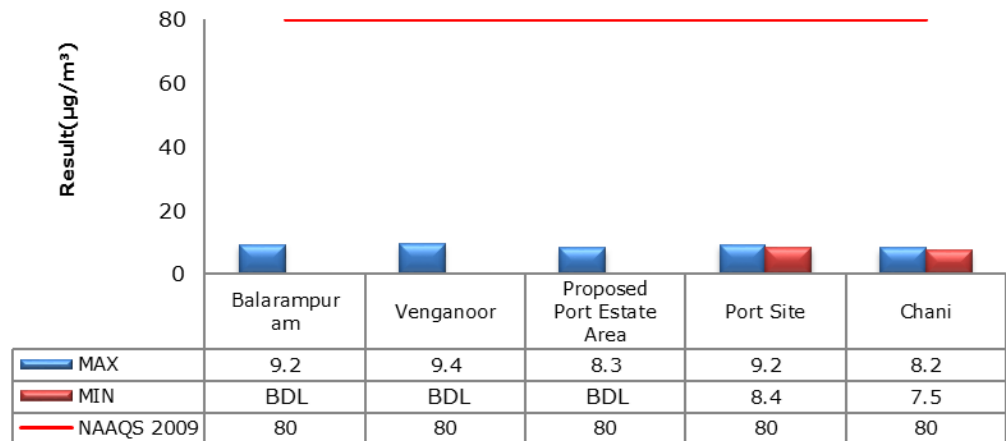
2. Ambient Air Quality



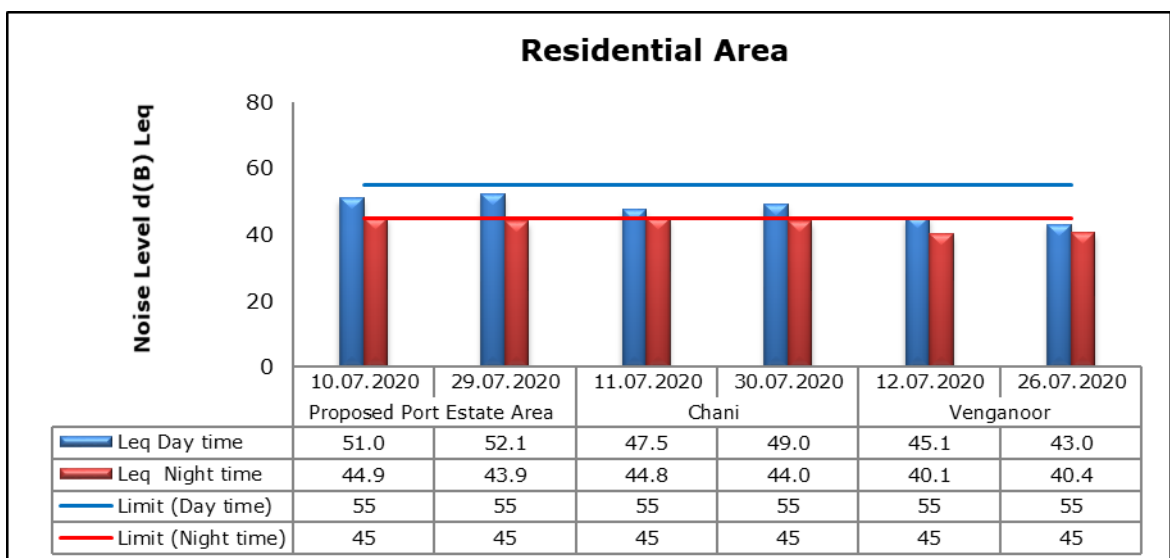
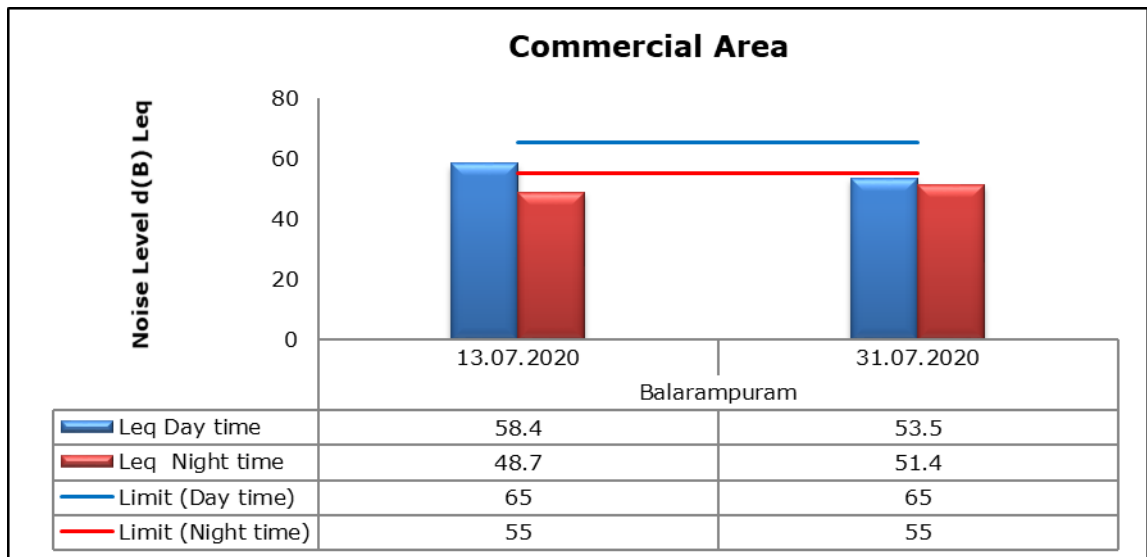
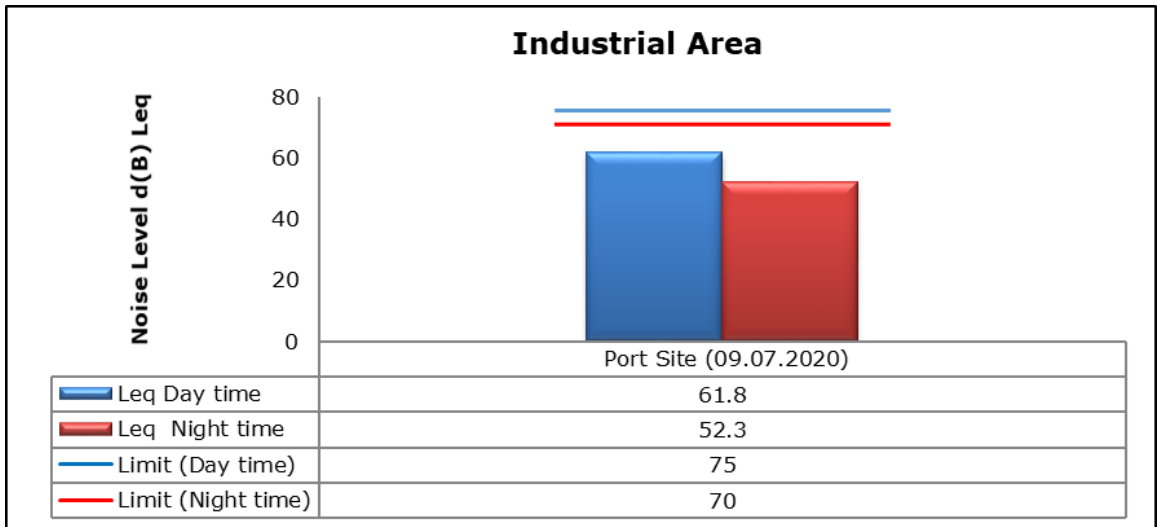
Ambient Air SO₂



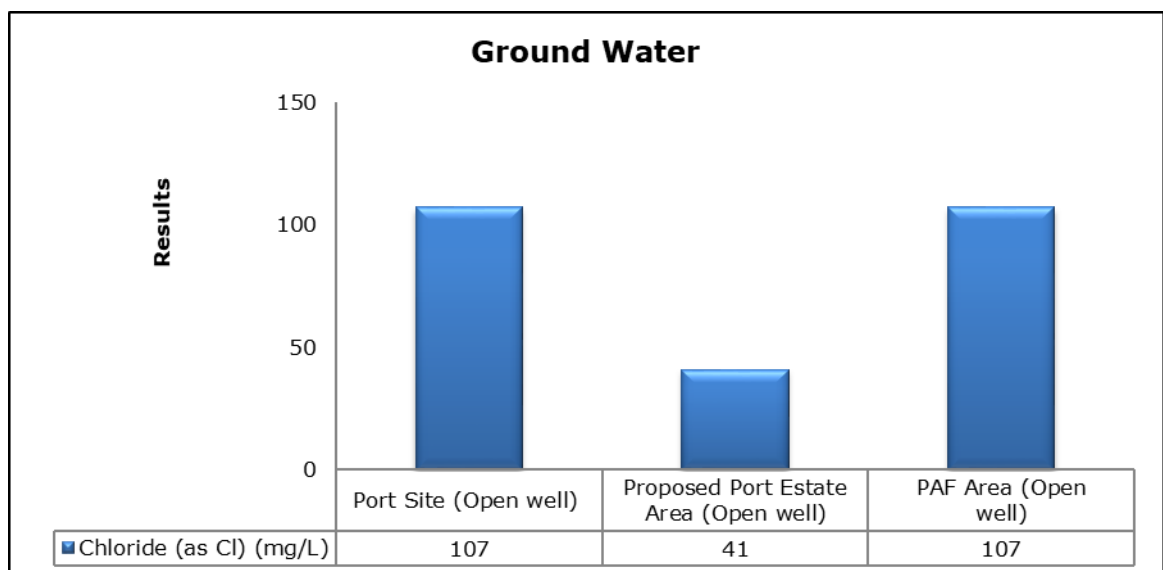
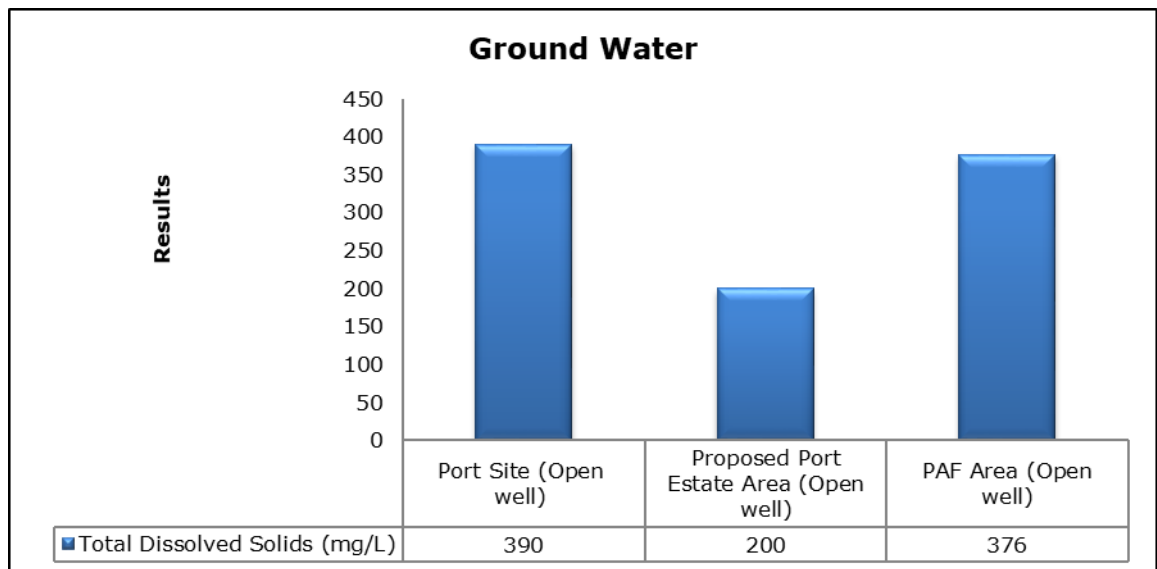
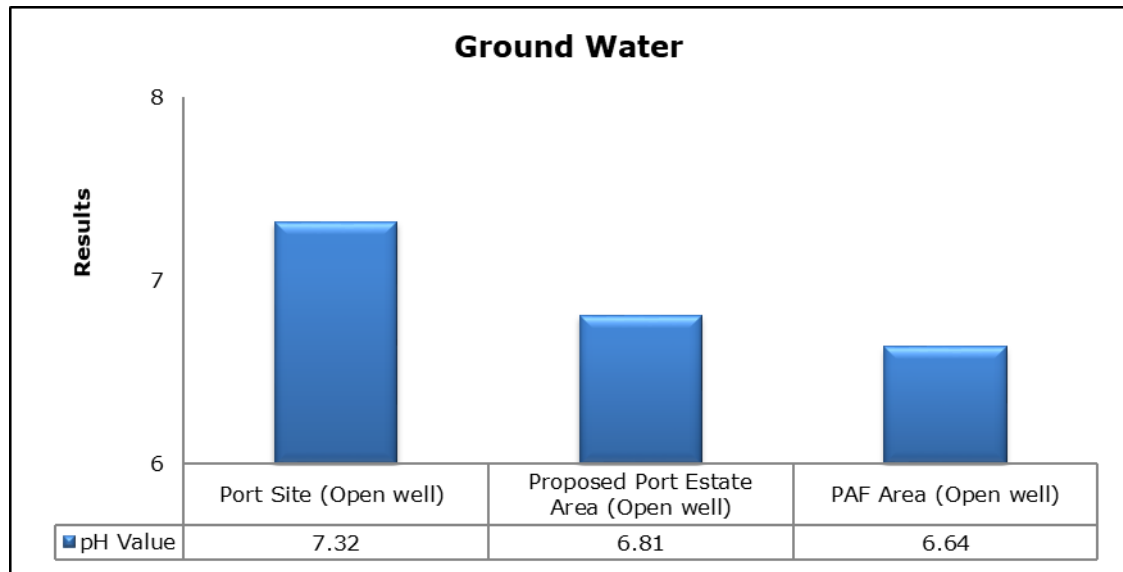
Ambient Air NO_x

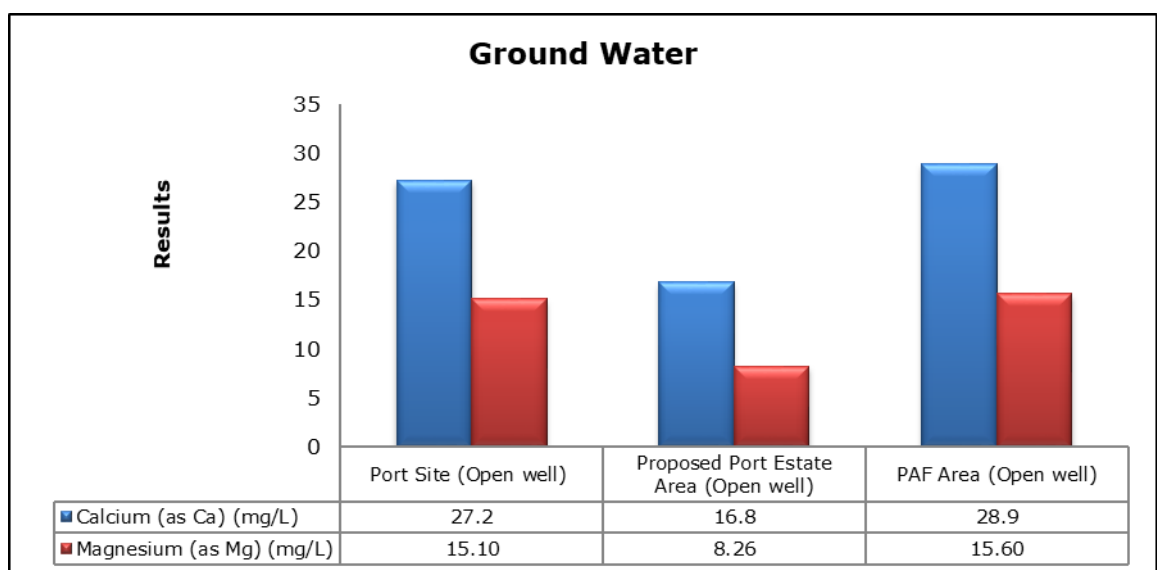
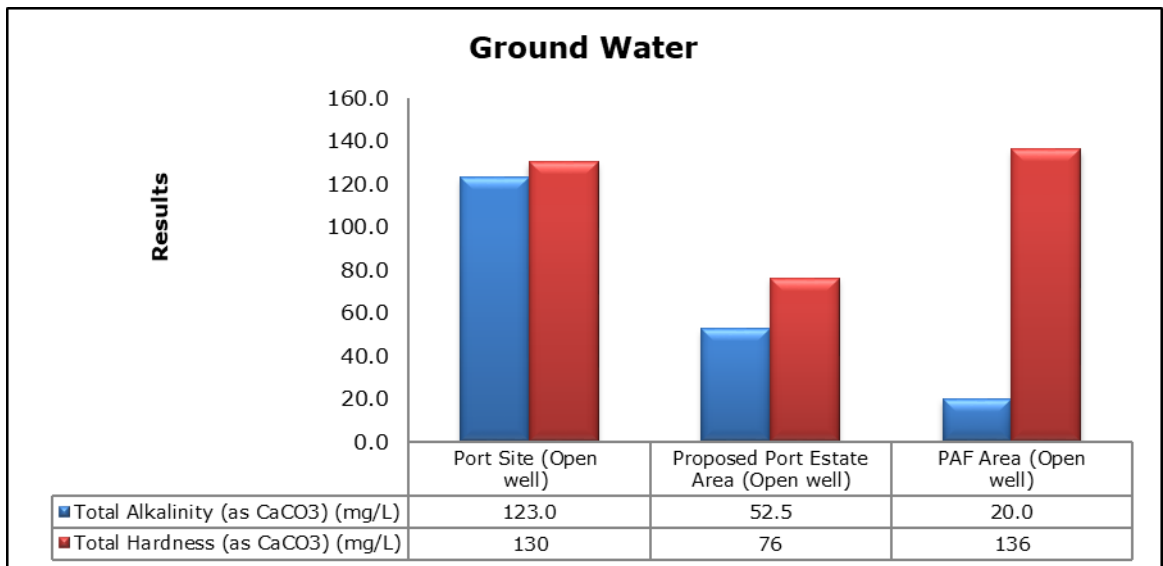
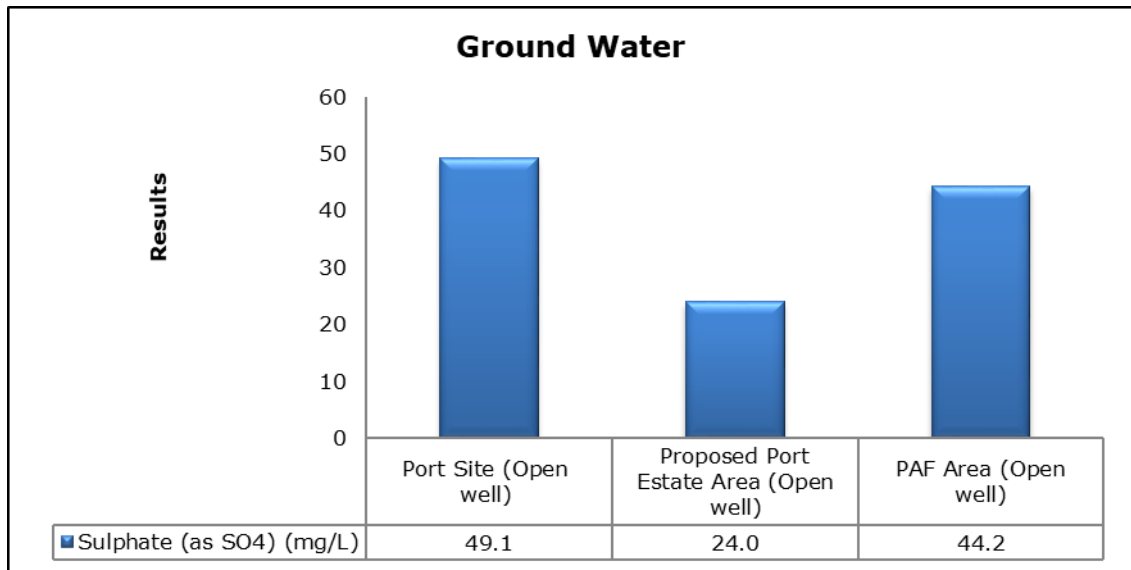


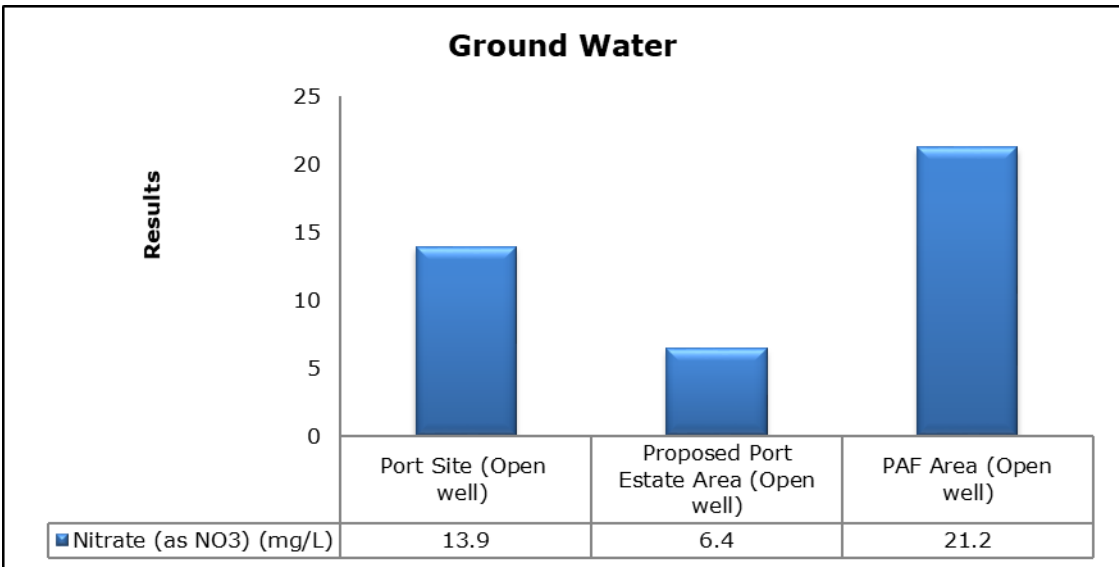
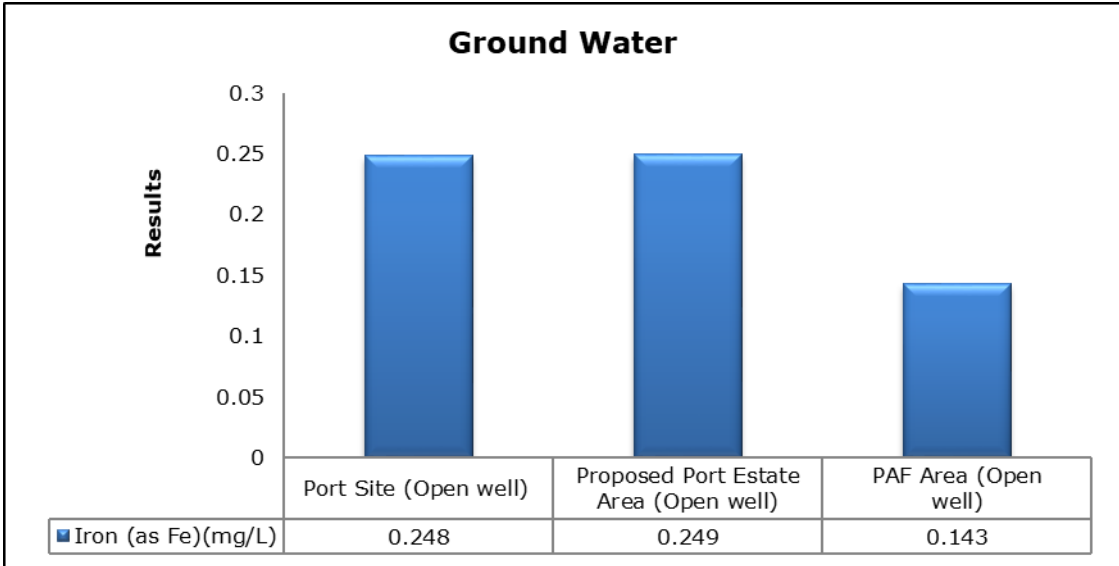
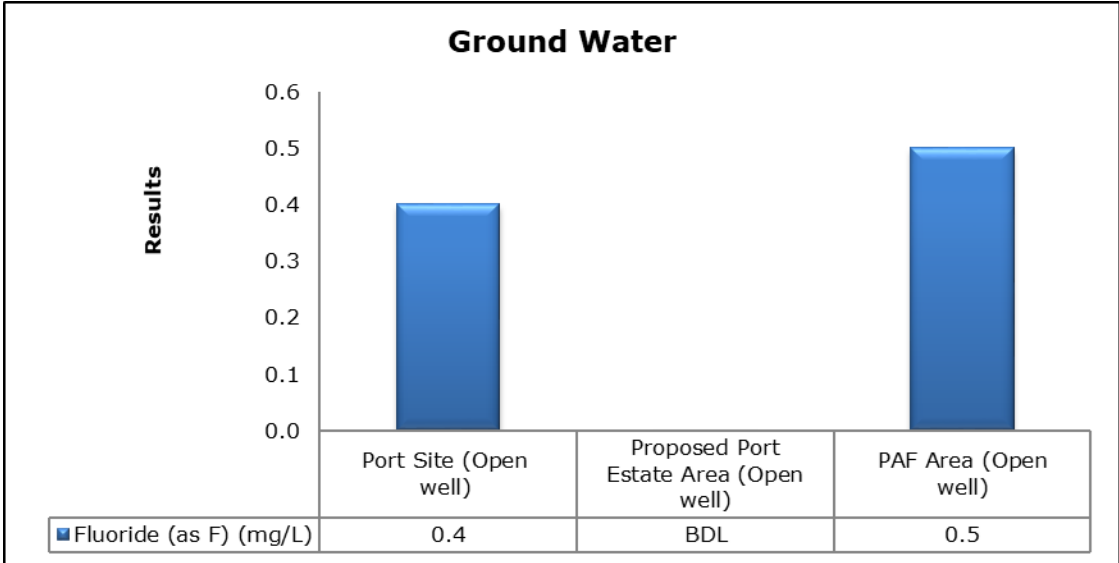
3. Ambient Noise

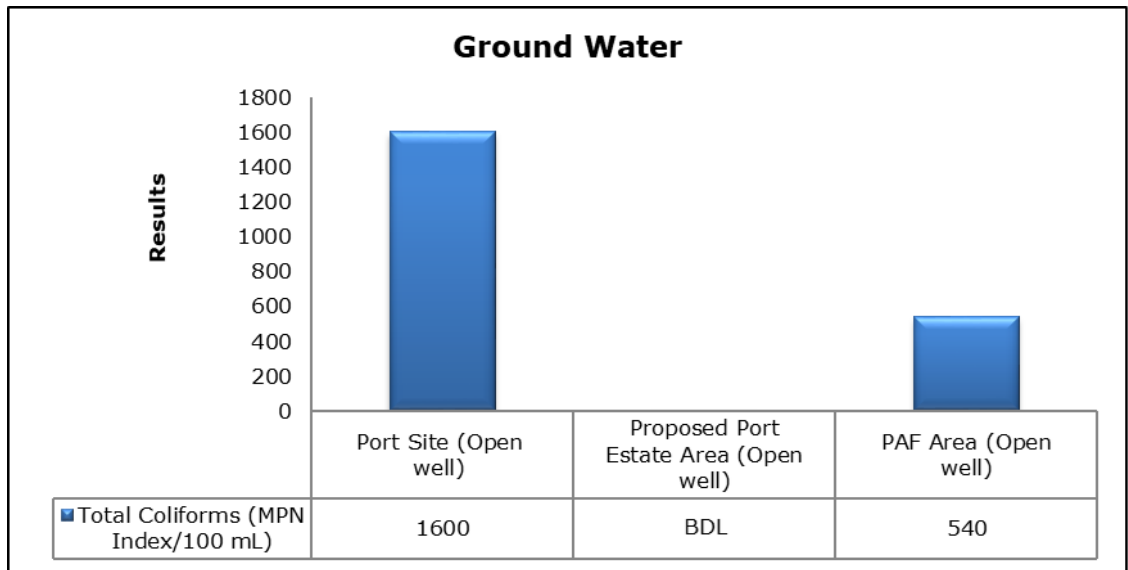


4. Groundwater Analysis









5. Surface Water Analysis

