

Belize Water Services Ltd
Integrated Water & Sanitation Programme for the Placencia Peninsula
Parameters Measured

Analysis	Parameter	Unit	Method	Equipment(s)
In-situ	pH		In situ	YSI EXO2 Multi-probe; GeoTech GeoPump for ground water samples; 20' Luna Boat w/ Honda 50HP 4 stroke engine for lagoon/sea/tributary samples
	Temperature	°C		
	Salinity	ppt		
	Dissolved Oxygen	mg/L		
	Turbidity	NTU		
	Conductivity	µS/cm		
	Chlorophyll	µg/L		
Chem	Nitrates (as NO ₃ -N)	mg/L	HACH 8171	Hach DR 3900 Spectrophotometer without RFID
	Total Nitrogen (as N)	mg/L	HACH 10071	Hach DR 3900 Spectrophotometer without RFID; HACH DRB 200 Dual Block Digital Reactor
	Phosphate (as PO ₄)	mg/L	HACH 8048	Hach DR 3900 Spectrophotometer without RFID
	Total Phosphorus (as PO ₄)	mg/L	HACH 8190	Hach DR 3900 Spectrophotometer without RFID
	Ammonia	mg/L	HACH 8155	Hach DR 3900 Spectrophotometer without RFID
	COD	mg/L	HACH 8000	Hach DR 3900 Spectrophotometer without RFID; HACH DRB 200 Dual Block Digital Reactor
	Suspended Solids	mg/L	HACH 8006; Standard Method	Hach DR 3900 Spectrophotometer without RFID; MB45 Moisture Analyzer w/ filtration apparatus
	5-Day BOD	mg/L	HACH BODTrak	BODTrakII; Thermo-Sci 815 Incubators
Bacti	Total Coliform	CFU/100mL	Petrifilm Aqua Coliform Plates	Reichart Quebec Colony Counter; Thermo-Sci 815 Incubators
	E.Coli	CFU/100mL	Petrifilm E.Coli Plates	Reichart Quebec Colony Counter; Thermo-Sci 815 Incubators
	Enterococci	MPN/100mL	Quanti-tray	Idexx Labs Quanti-Tray Sealer; Spectroline UV viewing cabinet; Thermo-Sci 815 Incubators