

Component	Nutrient Analyses		Related analyses	
	Tier 1	Tier 2	Response Variables	Ancillary Analyses
Rivers, Estuaries, Nearshore Coastal, Offshore Coastal	Total nitrogen*; Dissolved ammonium; Dissolved nitrate plus nitrite; Total phosphorus ⁺ ; Dissolved orthophosphate; Dissolved silica	Total dissolved nitrogen; Total dissolved phosphorus; Particulate nitrogen; Particulate phosphorus	Chlorophyll <i>a</i> ; Dissolved oxygen; Conductivity/salinity	Dissolved organic carbon; Dissolved inorganic carbon; pH ; Total suspended sediments; Photosynthetically active radiation; Particulate carbon
Groundwater	Dissolved nitrate plus nitrite	Dissolved ammonium; Dissolved orthophosphate		Dissolved organic carbon
Atmospheric deposition	Dissolved nitrate plus nitrite; Dissolved ammonium; Dissolved orthophosphate			Major ions; pH
Wetlands (sediment only)	Particulate nitrogen; Ammonium; Dissolved orthophosphate; Particulate phosphorus		Chlorophyll <i>a</i>	Particulate carbon

* May be determined by analysis of total dissolved nitrogen and particulate nitrogen (TN=TDN+PN)

⁺ May be determined by analysis of total dissolved phosphorus and particulate phosphorus (TP=TDP+PP)