

Checklist – Water Quality Monitoring Plan

Water quality monitoring is likely to be required to ensure that impacts can be detected and managed. The following checklist outlines the various components that are likely to be required when developing a water quality monitoring plan. Further information is provided in the guidance sheet for water quality monitoring.

Requirement	Notes	Provided
Monitoring objectives which describe the aim of the monitoring program.		
A description of the receiving environment that may be impacted.		
Identification of potential impacts that need to be monitored and the required outcomes that need to be achieved.		
Indicators/parameters have been selected that will measure environmental impacts.		
Sampling procedures have been determined including sampling methods and frequency, equipment, calibration procedures, filtering, decontamination and preservation techniques, and analytical methods.		
Triggers for ALARM (eg slow works, move dredge location, wait for better weather conditions) and HOLD (stop all dredging works until thresholds are within appropriate levels) have been identified.		
Contingencies and management actions should a trigger be exceeded or an impact be detected have been determined.		
Control locations and monitoring points have been chosen to monitor background conditions unaffected by dredging.		
A map has been provided showing the sampling locations (including control sites), major infrastructure, dredge and dewatering sites, disposal site, sensitive environmental receptors.		
The method and frequency of reporting results for both management and compliance purposes including who, when, how and what will be reported has been determined.		

Requirement	Notes	Provided
<p>Environmental monitoring program has been prepared by a suitably qualified person who holds relevant qualifications or has demonstrated professional experience and expertise in this area.</p>		
<p>A feedback loop which supports adaptive management of the dredging activity which minimises the potential for environmental harm.</p>		
<p>EPA has approved the proposed water quality monitoring plan.</p>		