



environmental management consultants

Our Ref: 155AA

22 May 2006

Ms Toni Cowell
Water Corporation
629 Newcastle Street,
Leederville WA 6007

Dear Toni

Proposed Water Quality Monitoring Binningup

1. Introduction

360 Environmental Pty Ltd is pleased to provide this proposal for the provision of water quality monitoring at Binningup.

Monitoring and sampling will be carried out in accordance with written instructions received from Toni Cowell on the 18th of May 2006.

2. Scope of Work

The following scope of work is proposed:

- The collection of water quality samples at a single location in Binningup to be advised. Sampling is to occur at the surface and at 5m depth. A replicate of each sample will also be collected.

- In situ measurements will be taken for pH, Temperature, Turbidity, and Conductivity.
- The silt density index will be recorded in the field at 5 minute intervals from 5 to 15 minutes.
- Samples will be analysed for the following parameters;
 - Total Dissolved Solids
 - Total Suspended Solids
 - Silica
 - Fluoride
 - Sulphate
 - Chloride
 - Magnesium
 - Calcium
 - Strontium
 - Boron
 - Barium
 - Bromide
 - Potassium
 - Sodium
 - Carbonate
 - Bicarbonate
 - Ammonia
 - Total Nitrogen
 - Total Phosphorus
 - Aluminium
 - Biochemical Oxygen Demand 5-days (BOD)
 - Oil and Grease
 - Heterotrophic Plate Count (48 hours at 37oC)
 - Heterotrophic Plate Count (72 hours at 20oC)
- The preparation of a brief report detailing the work undertaken and a interpretation of the results of the sampling.

3. Approach

Fieldwork will be directed by a Senior Environmental Scientist who will locate the sampling locations, perform the environmental sampling and QA/QC procedures, and record the results. We have allowed for the sampling location to be surveyed with a hand held GPS and recorded in Geocentric Datum of Australia (GDA).