



Our Ref: 160-AA

environmental management consultants

12 June 2006

Att: John Mills
Water Corporation
Project Manager
Project Management Group
629 Newcastle Street
Leederville WA 6007

Dear John

**Binningup Water Treatment Facility
Proposal for Due Diligence Botanical Survey**

Introduction and Objectives

360 Environmental is pleased to provide this proposal to the Water Corporation to undertake a spring flora assessment at the current Binningup Waste Water Treatment Plant (WWTP) site. We understand the location is being considered for a proposed Water Treatment Facility (the Project) and that the Project is currently in definition phase.

To adequately meet the needs of a due diligence assessment of flora and vegetation values at the Binningup WWTP site, a comprehensive flora and vegetation survey is required. In order to accurately map and understand the flora conservation values the survey must be undertaken during Spring (when growth and flowering dominates for certain species).

The purpose of the due diligence botanical survey (the Survey) is to assess the site for flora, vegetation, conservation or botanical values that could possibly prevent future infrastructure development. In this sense it is essential that the survey occurs in spring.

Assessment and Reporting

To undertake the Survey it will be necessary to undertake the following:

- Determine the flora is present and whether the plant species are of particular conservation significance and if so, where they are located. This would require recording flora while sampling vegetation units (refer below) and undertaking a general rare flora search (during Spring) to ensure all habitats have been searched.
- Determine the vegetation units present and whether they are classified as Threatened Ecological Communities (TEC's) or otherwise rare vegetation. While Floristic Community Types may be inferred (allowing TEC's status to be identified) this method is not necessarily reliable as vegetation unit(s) may not always relate directly to the Swan Coastal Plain Floristic Community Types as

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