

GHD MAYLANDS LAKES MONITORING REPORT

Officer recommendations

That Council:

1. Approves the City to proceed with the following:
 - a. The installation of mechanical mixers to de-stratify Lake Brearley and Lake Bungana;
 - b. Selective dredging of Lake Brearley in shallow midge breeding areas and consideration of more extensive dredging subject to review of the effectiveness of other actions;
 - c. Hydraulic modelling to optimise management actions;
 - d. Complete a fauna study of the lakes and surrounds with particular focus on turtles, frogs and bird life, including consideration of impact of the Cormorant population;
 - e. Develop a plan to progressively treat all Maylands Lakes stormwater inlets to improve amenity, offer educational opportunities and reduced nutrient inflow i.e. rain gardens, living streams, floating wetlands ;
 - f. Development of a management and maintenance plan for Maylands Lakes and surrounding natural areas to:
 - i. identify a phased foreshore restoration through the replacement of non-endemic species with endemic species, reduced grass area immediately adjacent to lakes edge and increasing sedges on lake foreshore; and
 - ii. identify the regular cycle of activities to maintain new and existing infrastructure as well as manage the surrounding areas.
 - g. Continue to undertake water monitoring and measurement to maintain data on lake health and impact of improvement actions;
 - h. Education of residents on the healthy operation of the lake system and what they can do to support; and
 - i. Subject to outputs of modelling and ongoing monitoring, consider implementation of additional mitigation options such as installation of bubblers, additional mechanical mixers or aerators.
2. Advises affected residents accordingly.