

GeoPro Microdredging

Apex Envirocare provides a professional and effective solution to dewatering high water content sludges and slurries. The GeoPro Microdredger, in combination with our GeoPro Desludging Tubes, removes accumulated sediment from water bodies such as municipal ponds, detention basins and artificial wetlands. Removal of the sediments in this very controlled manner increases capacity and returns the water body to its original function. Apex Envirocare are experienced in removing not only general sediments, but also contaminated sediments including potentially acid sulphate soils. Our methods cause little disturbance to the surrounding area and have been approved by regulatory bodies as being environmentally sensitive to both flora and fauna.



GEOTECHNICAL
PROFESSIONALS





The removed slurry is pumped into woven GeoPro Desludging Tubes where it is combined with a chemist specified polymer which is not detrimental to the environment. The solids are then retained in the tubes while the water filters through the material and is returned to the water body. The solids in the tube dry over time and reduce dramatically in volume so reducing the cost of disposal.



We conduct regular on-site testing of the filtrate from the GeoPro Tubes.

Strong odours are contained in the GeoPro Tubes so allowing us to work very close to neighbouring houses in residential areas.





The GeoPro Microdredger and Desludging Tubes ensure the sediment removal is performed in a very controlled, cost effective way, using low energy, passive technology. We specialise in projects which demand a high level of expertise and close client and stake holder consultation. Because the GeoPro Microdredger is launched from our purpose built tilting trailer and is towed by a regular 4x4, we can access ponds and sensitive wetlands not usually accessible to larger machinery.



Apex Envirocare regularly conduct site surveys to assess the feasibility of the project and to obtain samples for analysis. A successful desludging project demands a high level of expertise and experience. Apex Envirocare has successfully proven their capability and professional integrity in this field on numerous projects.



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