



Southwater Ltd. Dredging & Water Treatment

We specialise in the dredging and dewatering of sludge, fine grain silts and hydrocarbon contaminated materials plus, water treatment and water recycling.

Southwater Ltd is a South Island based family owned business. We are set up for rapid deployment NZ wide. A safe and environmentally responsible workplace is a key priority. We work closely with Sydney based CRS Water and Gold Coast based PR Power. If the scale and complexity of specific NZ projects better suit either of these companies we provide local sales and operational support on an agency basis.

Dredging: We have our own dredges, associated pipe work and chemical dosing units. Our gear is mobile and sized to deploy at difficult access and/or remote sites. We dredge and pump a wide variety of materials from retention ponds, municipal lagoons, mine basins, service station tank excavations, ski field ponds, animal waste ponds and small marinas.



Dewatering. Geotube® Dewatering Containers are central to our dewatering operation. They are a unique, simple and cost effective option to dewater sludge, silts, coal tailings and slurries. The bag capacity and shape is determined by the footprint available and volume and solids % to be treated. The result is clean filtrate and greatly reduced solids volumes to dispose from a site - a material saving on disposal costs plus less site traffic.



Silt treatment. Southwater utilize portable Siltbuster clarifiers - ‘mobile silt traps’- which can be linked to a polymer dosing system and a Geotube® dewatering unit to treat silt flows in a range of pump rates and silt densities. We also have small bag systems that fit skip bins and/or trailers for smaller jobs. We work closely with Gold Coast based PR Power to source a range of mobile waste water treatment units to remove solids, improve turbidity, treat cement wash solids, and neutralise pH plus, strip remnant hydrocarbons and asbestos.



Sludge surveys. Southwater offer cost effective pond sludge surveys anywhere in NZ. The detailed report is a cost effective pond management tool for the client.



Pond name (eg)		Apex
Survey date		18/9/12
Pond surface area	(m ²)	16200
Average pond depth	(m)	1.41
Average sludge depth	(m)	0.62
Est sludge volume	(m ³)	10044
Sample sludge solids	(%)	4.5
Est solids mass	(dry tonne)	452
Sludge as % of pond volume		44
Pond level - below pier	(m)	0.65

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Links

- **CRS Water Ltd Australia.** www.watertreatment.net.au Southwater Ltd is the NZ agent for this established Australian designer and fabricator of water and waste water treatment plants. CRS specialise in skid mounted and containerised WTP and WWTP units for <5,000 persons and/or remote locations.
- **Dredging Solutions Australia Pty Ltd.** For larger marina and waterway dredging projects across NZ we work closely with www.dredgingsolutions.com.au
- **PR Power Ltd.** The official Australasian agent for the Siltbuster range of mobile waste water treatment units plus a range of quality products for the corporate hire sector – especially mines and construction sites. <https://www.prpower.com.au/>