

some goings-on at IGS

IGS News

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Geotechnical Services
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Specialised Sampling
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In Situ Permeability



Mark Chapman

Mark has joined our team, moving from Wagstaff Piling. He is “phasing in” to full-time with IGS over the next few weeks (phasing in so we don’t p—s John Wagstaff off too much).

Mark is a geotechnical engineer with 14 years of relevant experience and a Masters from UNSW.

The strategy is that Mark will work closely with Allan and Michael and take on some of Allan’s role to free him for things he does best.

Big Growth In IGS Sampling Business

To satisfy clients’ needs, over time we have acquired and/or (mostly) developed eight different sampler systems; to allow us to sample everything from extremely soft liquid-like “ooze” to hard and dense soils; occasionally even extremely weak sedimentary rock.

Combined with our “go anywhere on any site” capabilities, this part of our business has grown significantly. Some projects combine sampling with in situ testing, and some are sampling-only jobs. So far we are confident that we have made many clients surprised and happy with our sampling capabilities. See the list below – ask if you want more detail:



- PPI Sampler** - Developed in-house; our “flagship” fixed-piston, no-suction, undisturbed sampler for soft soils and tailings. This may be the best direct-push undisturbed sampler available.
- Vertek Sampler** - A purchased sampler. All 316 stainless, a tough piston sampler with core catcher. This can sample almost anything we can penetrate. The sample is similar to that from an SPT split spoon.
- Eziprobe** - A purchased sampler; useful for reasonably shallow continuous direct push sampling. Typically used for ASS sampling (etc).
- Piston Vibracore** - Our in-house vibracore system that is non-conventional in that sample retention is improved by a suction piston innovation.
- Piston Flap** - This evolved in-house by copying and improving on the principles of a client’s tailings sampler. It can sample liquid-like materials.
- Two Suckers** - Developed in-house, these sample liquid-like sediments from any depth and do it more efficiently than any other samplers we have heard of. The Little Sucker takes one sample of about 1.5 litres, the Big Sucker can take two at the same time, 1m apart vertically.
- Bulk Sediment** - Developed in-house, the “BS” Sampler can pump up large volumes of liquid-like materials from a specific depth; great for tailings.
- Window Sampler** - Bought from the UK, a traditional heavy, clumsy, tough, large dia sampler that can even sample ballast & subgrade materials.

We shifted a paradigm – IGS can sample almost anything, and quality is great.

reducing geotechnical uncertainty