

## Drilling Services

Currently Chadwick T&T have four drilling rigs:

**ATS Rotary Auger Drill Rig mounted on a 4x4 land cruiser**

- Description
  - The rig was purchased new in 2004 and is suited to shallow geotechnical and environmental investigations.
- Dimensions
 

- Width	2.1 m
- Length	5.5 m
- Height (mast down)	2.5 m
- Height (mast up)	7.6 m
- Weight	2.2 tonnes
- Capacity
 

- Auger	8 m - 100 mm diameter
- SPT	8 m

**Edson 100 Multipurpose Drill Rig mounted on a 4 x 4 truck**

- Description
  - The rig was purchased new in 2002 and is suited to geotechnical and environmental investigations. It is fitted with a high pressure pump.
- Dimensions
 

- Width	2.2 m
- Length	6.5 m
- Height (mast down)	3.1 m
- Height (mast up)	5.7 m
- Weight	6.0 tonnes

- Capacity
 

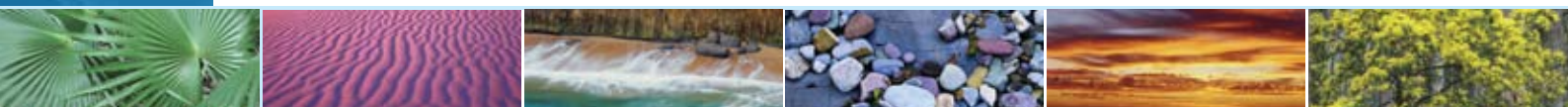
- Auger	30 m - 125 mm OD
- Hollow Auger	30 m - 175 mm OD
- Coring	100 m - NMLC, NQ3, HQ3
- Rotary Mud	200 m - 70-150 mm OD
	70 m - 250 mm OD
- Down Hole Hammer	60 m - 90 mm OD
- SPT	30 m

**Edson 200 Multipurpose Drill Rig mounted on a 4 x 4 truck**

- Description
  - The rig was purchased new in 2006 and is suited to geotechnical and environmental investigations. It is fitted with a high pressure pump.
- Dimensions
 

- Width	2.2 m
- Length	6.5 m
- Height (mast down)	3.1 m
- Height (mast up)	5.7 m
- Weight	6.0 tonnes
- Capacity
 

- Auger	30 m - 125 mm OD
- Hollow Auger	30 m - 175 mm OD
- Coring	100 m - NMLC, NQ3, HQ3
- Rotary Mud	200 m - 70-150 mm OD
	70 m - 250 mm OD
- Down Hole Hammer	60 m - 90 mm OD
- SPT	30 m



#### Terrier Drill Rig mounted on rubber tracks

- Description
    - The rig was purchased new in 2007 and is suited to geotechnical and environmental investigations. It is particularly suited to remote operation and restricted access.
  - Dimensions
    - Width 0.8 m
    - Length 2.7 m
    - Height (mast down) 1.5 m
    - Height (mast up) 2.85 m
    - Weight 1300 Kg plus a 7000 Kg retraction load
    - Ground bearing pressure 33 KPa
  - Capacity
    - Percussion Samples 10 m
    - Concrete Coring GL to 1 m
    - Namic Probing 30 m
    - SPT 30 m
- 76 mm Hammer/Mud Rods x 200 m
  - Waterwell casing 200 mm OD x 80 m
  - NQ casing x 36 m
  - HQ casing x 62 m
  - HW casing x 10 m
  - Coring NMLC, NQ3, HQ3
  - 89 mm Hammer / Mud Rods x 240 m
  - Down Hole Hammer 90 mm
  - Wash Boring Blade Bit 70, 90, 95, 130, 150, 250 mm
  - Rock Rolling 70 mm, 100, 150 mm
  - Undisturbed Plastic Liner undisturbed percussion samples
  - Undisturbed Samples 50 & 63 mm
  - Standard Penetration Test Sampler
  - Concrete Corers - 80, 100, 150, 200 mm
  - Various pumps, water tanks and grouting equipment including grout pump.

#### Support Vehicles

- Several four wheel drive support vehicles to back up the Drilling Rigs
- 6 tonne Hino Truck with 1,000 L water tank to back up the Drill Rigs
- Single and tandem trailers to carry consumables and drilling equipment to site.

#### Licensing

- Currently have 3 Level 1 Licensed Drillers.

#### Drilling Equipment:

- High Pressure Cleaners
- Solid Augers 125 mm OD x 30 m
- Solid Augers 100 mm OD x 10 m
- Solid Augers 200 mm x 3 m
- Hollow Auger 175 mm OD x 30 m
- AW Drill Rods x 40 m
- NQ Drill Rods x 36 m
- HQ Drill Rods x 62 m

[www.chadwicktt.com.au](http://www.chadwicktt.com.au)

