

## CAPABILITY STATEMENT

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## NORTH COAST DRILLING & WICKS





## CAPABILITY STATEMENT

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North Coast Drilling is a small successful environmental and geotechnical drilling company based in Northern NSW.

In 1993 after 12 years drilling for the RTA, Craig Pullman established North Coast Drilling. The company started out with one rig & has developed over the years to 7 drilling rigs to satisfy the increased demands of clients for his expertise in the industry.

In 2007 Shannon Simon became a partner in North Coast Drilling after working as a driller for Craig for a period of 10 years.

North Coast Drilling has a fleet of modern drilling rigs and support trucks that provide the highest quality geotechnical & environmental drilling services to the industry.

## SERVICES PROVIDED

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North Coast Drilling provides the following services:

- Solid Stem Augers (100mm, 250mm for bulk sampling upon request)
- Standard penetration testing
- Undisturbed sampling (U50, U75)
- Concrete coring
- Casing to suit conditions (HW, NW)
- Mud rotary drilling (N acme, NW rods)
- Coring (NMLC, HMLC,HQ, NQ, HQ)
- Borehole grouting & decommissioning
- Packer testing
- Installation of monitoring wells (hand slotted PVC, machine slotted PVC)
- Installation of inclometers
- Installation of vibrating wire piezometers (VWP)
- Installation of magnetic extensometers (ME)
- Supply of water for drilling activities
- Over water work
- Packer testing
- Instrumentation for settlement monitoring
- Installation of wick drains (PVD prefabricated vertical drains)



# HEALTH & SAFETY POLICY

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At North Coast Drilling we are committed to providing safe and healthy working conditions for all people involved in our business, including contractors, visitors and the general public. All employees of North Coast Drilling have responsibility for implementing this policy.

We recognise that people are our biggest asset, and their health safety and wellbeing is our greatest responsibility. In meeting the commitment of this policy we at North Coast Drilling will:

- Demonstrate commitment and leadership through all managers and supervisors.
- Clearly define health and safety responsibilities for managers, supervisors, employees and contractors.
- Work to eliminate hazards and practices that could cause incidents, injuries or illness.
- Comply with all applicable health and safety Acts and Regulations as a minimum.
- Incorporate health and safety into all business decisions so that we can continuously improve our systems of work.
- Involve all people who work for the company in identifying, assessing and controlling workplace hazards and in reviewing health and safety performance.
- Undertake to help our people to achieve full recovery through prompt treatment and active rehabilitation programs following workplace injury or illness.
- Allocate resources to meet the commitment of this policy.

# ENVIRONMENTAL POLICY

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North Coast Drilling is committed to ensuring that all activities, and work, undertaken on their site, will be conducted in a way that will further reduce the environmental impact of our operations.

We will strive to reduce waste, spills, emissions and discharges.

We intend to conduct our operations in the most energy efficient manner.

Our goal is to achieve incident free Operations and Operational excellence at all of our workplaces.

In an effort to improve the capture and management of environmental data, provide assurance that we are managing our environmental risks, consistently meet Regulatory Compliance and identify cost saving opportunities; we will:

- Consider Environmental considerations in all of our business planning and operations.
- Continually strive to reduce the Environmental impact of our business, by conserving the use of raw materials and resources, and minimise waste streams.
- Re-cycling is to be promoted throughout the company, at all levels.
- Comply with all relevant Environmental Laws and Regulations, and other criteria to prevent pollution and environmental damage.
- Implement monitoring and reporting procedures to communicate our performance, both internally and to relevant external stakeholders.
- Train our employees to ensure they are all able to perform their roles in an environmentally responsible way.

We will provide the necessary financial assistance to ensure this policy can be implemented.

# DRILLING RIGS

| RIG ID | TRUCK                            | TYPE             | REGISTRATION |
|--------|----------------------------------|------------------|--------------|
| RIG 01 | FTS700 ISUZU 1990' 4X4           | Pioneer 160 mole | AT-00-XU     |
| RIG 02 | FSS 550 4X4 ISUZU 2000'          | Pioneer 160      | BB-90-ZL     |
| RIG 03 | CANTER 4X4 MITSU 2007'           | Pioneer 120      | BD-12-HI     |
| RIG 04 | CANTER 4X4 MITSU 2009'           | Pioneer 100      | AV-43-CN     |
| RIG 05 | TRAILER                          | Pioneer 160TR    | V-57822      |
| RIG 06 | Yanmar C30R-1 2000' (Track Base) | Pioneer P120     | N/A          |
| RIG 07 | Track base remote                | Pioneer P160     | N/A          |

# SUPPORT VEHICLES

| SUPPORT ID | WATER TANK | TRUCK                     | REGISTRATION |
|------------|------------|---------------------------|--------------|
| SP 01      | 2000L      | Mitsubishi 2007' 4X4      | AT-68-SB     |
| SP 02      | 2000L      | Mitsubishi 2009' 4X4      | BB-79-VM     |
| SP 03      | 2000L      | Mitsubishi 2009' 4X4      | BB-80-VM     |
| SP 04      | 2000L      | Mitsubishi 2007' 4X4      | AV-42-CN     |
| SP 05      | 2400L      | Isuzu FSS 550 2002' 4X4   | BB-69-LT     |
| SP 06      | 2000L      | Mitsu Canter 4.0 2005 2X4 | BB-74-EL     |
| SP 07      | 800L       | Yanmar C30R-1             | N/A          |
| WATER CART | 9100L      | Isuzu FVR 950             | BH-08-SR     |

# CAPABILITIES

|                      | P160        | P160        | P160        | P120        | P160TR      | PT120TB     | P160        |
|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| RIG ID               | Rig 01      | Rig 02      | Rig 03      | Rig 04      | Rig 05      | Rig 06      | Rig 07      |
| SPT                  | YES         | YES         | YES         | YES         | YES         | YES         | YES         |
| UNDISTURBED SAMPLING | YES         | YES         | YES         | YES         | YES         | YES         | YES         |
| SOLID AUGERS         | 18m (100mm) | 15m (100mm) | 15m (100mm) | 12m (100mm) | 15m (100mm) | 15m (100mm) | 15m (100mm) |
| ROTARY MUD           | 70m         | 60m         | 60m         | 50m         | 60m         | 60m         | 60m         |
| NMLC CORE            | 80m         | 70m         | 70m         | 60m         | 70m         | 70m         | 70m         |
| CONCRETE CORE        | 300mm       | 300mm       | 300mm       | 300mm       | 300mm       | 300mm       | 300mm       |
| HOLE GROUTING        | YES         | YES         | YES         | YES         | YES         | YES         | YES         |

\*All depths given are in favourable ground conditions.

- All drilling rigs carry solid augers and mud rotary drilling equipment.
- All drilling rigs are fitted with 2 emergency stop switches, spill kits, 1st aid kits, fire extinguishers, 2 way radios, safety cages with hydraulic rotation lock out and amber beacon.
- All staff are cert 3 drilling qualified with first aid certificate.

# MATERIAL STORE

North Coast drilling supplies a wide range of consumables including:

- U50 and U75 tubes (caps)
- PVC piezometer (hand slot, machine slot)
- Monuments and gatic covers
- Core boxes, core foam, PVC splits
- Graded sand, cement, bentonite, lime
- Liquid polymer, Bio-vis
- Instrument installation equipment
- Drilling bits, casing shoes



**RIG 02 & SUPPORT**

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**RIG 04 & SUPPORT**

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**RIG 03 & SUPPORT**

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**RIG 05**

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**RIG 05 SUPPORT**

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**RIG 06 SUPPORT**

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**RIG 06**

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**WATER CART**

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# WICK RIG

| SPECIFICATIONS                | DATA                   |
|-------------------------------|------------------------|
| Static (Crowd) Force          | 133 kN / 17 US tons    |
| Dynamic Force @ 1800 cpm      | 356 kN / 40 US tons    |
| Combined Static/Dynamic Force | 489 kN / 57 US tons    |
| Operating Frequency           | 0-1, 350 cpm           |
| Suspended Weight              | 3855 kg / 8500 lbs     |
| Maximum Pressure              | 344 bars / 5000 psi    |
| Maximum Flow                  | 454 lpm / 120 gpm      |
| Maximum Mandrel Speed         | 100 m/min / 330 ft/min |
| Length                        | 1880 mm / 74 in        |
| Width                         | 732 mm / 30 in         |
| Height                        | 2438 mm / 96 in        |
| Excavator                     | PC650-6                |
| Excavator Ground Pressure     | 19PSI                  |
| Installation Depth            | 30 Metres              |



# PAST PROJECTS

COMPANIES:

- Abigroup
- Leighton's
- Boulderstone / Lend Lease
- Thiess
- Holland
- Arup
- Smec
- Ghd
- Aurecon
- Coffey's
- Golders
- Rca Australia
- Douglas Partners
- Keller Ground Engineering
- Menard Barchey
- PB

PACIFIC HIGHWAY PROJECTS:

- Yelgun to Chinderah Bypass
- Banora Point Bypass
- Ballina Bypass
- Tintenbar to Ewingsdale Bypass
- Brunswick Heads Bypass
- Woolgoolga Bypass
- Herons Creek Deviation
- Johns River Deviation
- Taree Bypass
- Bulahdelah Bypass
- Fredericton to Eungai
- Woolgoolga to Glenugie
- Nambucca Heads to Warrel Creek
- Oxley Highway to Kempsey
- Devils Pulpit to Ballina
- Numerous projects throughout NSW directly for RMS

# COMPANY STRUCTURE

Craig Pullman

Business Manager  
P: (02) 6687 2199  
M: 0415 258 426  
F: (02) 6687 2199  
pullman@nsw.quik.com.au

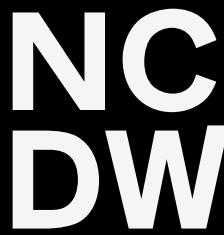
Shannon Simon

Operations Manager  
P: (02) 6687 2199  
M: 0416 016 531  
F: (02) 6687 2199  
shannon.ncd@gmail.com

Sue Pullman

Administration Manager  
P: (02) 6687 2199  
M: 0409 806 178  
F: (02) 6687 2199





# **NORTH COAST DRILLING & WICKS**

## **CONTACT DETAILS**

### **Craig Pullman**

Business Manager

P: (02) 6687 2199

M: 0415 258 426

F: (02) 6687 2199

[pullman@nnswwquik.com.au](mailto:pullman@nnswwquik.com.au)

### **Shannon Simon**

Operations Manager

P: (02) 6687 2199

M: 0416 016 531

F: (02) 6687 2199

[shannon.ncd@gmail.com](mailto:shannon.ncd@gmail.com)

### **Sue Pullman**

Administration Manager

P: (02) 6687 2199

M: 0409 806 178

F: (02) 6687 2199